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CASE FILE

COMPUTER PROGRAM FOR CALCULATING SUPERSONIC FLOW ABOUT CIRCULAR, ELLIPTIC, AND BIELLIPTIC CONES
BY THE METHOD OF LINES

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## COMPUTER PROGRAM FOR CALCULATING SUPERSONIC FLOW

# ABOUT CIRCULAR, ELLIPTIC, AND BIELLIPTIC CONES BY THE METHOD OF LINES

By E. B. Klunker, Jerry C. South, Jr., and Ruby M. Davis Langley Research Center

#### SUMMARY

This paper is a user's manual for a computer program which calculates the supersonic flow about circular, elliptic, and bielliptic cones at incidence and elliptic cones at yaw by the method of lines. The program is automated to compute a case from a known or easily calculated solution by changing the parameters through a sequence of steps. It provides information including the shock shape, flow field, isentropic surface properties, entropy layer, and force coefficients. A description of the program operation, sample computations, and a FORTRAN IV listing are presented.

#### INTRODUCTION

In reference 1 the so-called method of lines was developed for obtaining numerical solutions of general conical flow problems, that is, those gas dynamic problems in which the fluid properties do not vary along rays emanating from a common point in the flow. The method was applied to circular and elliptic cones and to the compression side of conical delta wings with shock attached at the sharp leading edges.

This paper describes a computer program which uses the method of reference 1 and which is specially designed for circular- and elliptic-cone problems. The program provides information including the shock shape, flow field, isentropic surface properties, entropy layer, and force coefficients. A program for the delta-wing problems is described in reference 2.

The present program has a built-in capability for three different, but related, cross sections: circular, elliptic, and "bielliptic." The bielliptic cross section is one composed of two ellipses with different axis ratios on the windward and leeward sides of the body.

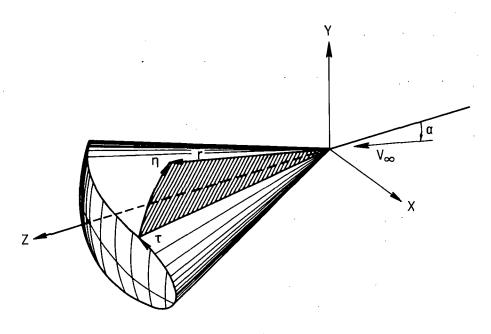
The mathematical method and coordinates are described very briefly, and the operation of the program is described in detail. A listing of the computer program is given in appendix A together with a list of the subroutines and a flow chart. Appendix B presents sample computations.

#### METHOD OF LINES

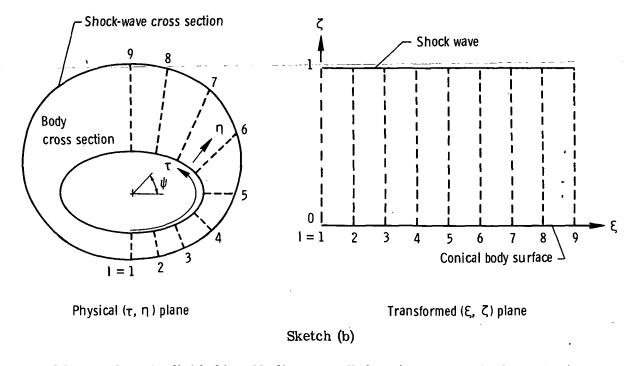
The flow equations are initially written in a body-oriented, orthogonal, conical coordinate system  $(r,\eta,\tau)$  shown in sketch (a) where  $\,r\,$  is the distance along a conical ray,  $\,\eta\,$  is the angle measured from the body surface to the ray in a plane  $\,\tau\,$ = Constant, and  $\,\tau\,$  is a measure of the arc length along the intersection of the body surface with a sphere of radius  $\,r\,$  centered at the body apex. Specifically,  $\,\tau\,$  is determined by numerical integration on the unit sphere. The stream velocity vector  $\,V_\infty\,$  lies in the YZ-plane of symmetry, and the origin of the arc length  $\,\tau\,$  is taken in the windward plane of symmetry. All computations are made in the right half-plane. The integration of the system of equations is facilitated by a coordinate transformation which maps the region bounded by the shock and the body into a rectangular domain as shown in sketch (b). The transformed variables are

$$\zeta = \frac{\eta}{\eta_{S}} \qquad \qquad \xi = \xi(\tau)$$

where  $\eta = \eta_S(\tau)$  is the shock surface. Thus,  $\zeta = 0$  on the body and  $\zeta = 1$  on the shock. Also shown in sketch (b) is the cylindrical polar angle  $\psi$ ; in the windward symmetry plane  $\psi = -\frac{\pi}{2}$ , in the leeward symmetry plane  $\psi = \frac{\pi}{2}$ . For the elliptic cone at incidence the major axis lies in the XZ-plane and  $\alpha$  is the angle of incidence, and for the elliptic cone at yaw the major axis lies in the YZ-plane and  $\alpha$  is the angle of yaw.



Sketch (a)



The  $\xi\zeta$ -plane is divided by N lines parallel to the  $\zeta$ -axis; the line I = 1 is taken in the windward plane of symmetry and the line I = N is in the leeward plane of symmetry. At each line the system of differential equations is reduced to a set of ordinary differential-difference equations by replacing the derivatives  $\partial/\partial\xi$  by finite differences. The derivative of the Lagrange interpolation polynomial is used in this program with an equal number of lines on either side of the line at which  $\partial/\partial\xi$  is computed; therefore, central differencing is obtained when the line spacing is equal. The system of equations is integrated simultaneously along each line I = 1, . . ., N. The differential equations along any line are coupled to those along the other lines through the finite-difference approximations for the cross derivatives  $\partial/\partial\xi$ . The equations are integrated by a fourth-order Runge-Kutta method. The accuracy of this method allows the use of relatively large integration steps. The integration step can generally be taken in increments of -0.1 from the shock to  $\zeta = 0.1$  and in increments of -0.05 and -0.025 thereafter except in calculations where resolution of the entropy layer is sought.

The initial values for the system of equations are determined from the shock relations once the shock shape is specified, and the equations are integrated numerically from the shock to the body. An iterative process based on the Newton method is utilized to adjust the shock shape to satisfy the conditions of flow tangency on the body. Usually a very good estimate of the shock shape is required for a successful calculation. The exception is the circular cone at moderate incidence (relative to the cone semiapex angle); a tangent-cone approximation suffices for an initial estimate of the shock shape for this case. In order to obtain a good initial estimate of the shock shape for the

elliptic cone provision is made to proceed by a series of steps from a simpler case or a known solution. The procedure is completely automated for incrementing any one of the five parameters: free-stream Mach number, cone angle, angle of incidence, axis ratio, or ratio of specific heats.

#### PROGRAM OPERATION

Considerable flexibility has been built into the computer program in order to obtain converged solutions in a wide variety of cases. The solutions in many instances are very sensitive to the shock shape; consequently, they must be developed in incremental steps from a simpler or known solution. Instabilities can arise in some cases, and a change in some of the parameters involved will sometimes yield converged solutions. A number of parameters can be adjusted which can affect the convergence and computing time. Some discussion of these parameters is given with general recommendations for their values.

### Incrementation of a Parameter

A good estimate of the shock shape is required for successful convergence for all cases other than the circular cone at small relative incidence,  $\frac{\alpha}{\theta_0} < 0.5$ , where  $\theta_0$  is the cone semiapex angle in the YZ-plane of symmetry. The built-in approximate shock (NREAD = 0) is satisfactory only for starting the computation of circular or nearly circular cones at small incidence. The elliptic-cone solutions and the circular-cone solutions at relatively large incidence can be constructed by changing the input parameters through a sequence of steps from a known or easily calculated solution, a new converged shock shape being obtained with each change of the input parameters  $(T, \alpha, \theta, M_{\infty}, \gamma)$ . An extrapolation routine is used to predict a new shock shape for the new input parameters.

The converged values of  $\eta_{\mathrm{S,i}}$  (where the subscript i is the line index) for the initial value of the parameter (PARAM) are used as the input values corresponding to a small variation (DPRAM1) of the input parameter. Thus, the input parameter is changed from its initial value (PARAM) to PARAM + DPRAM1. Typically, DPRAM1 is taken as 0.05 or 0.1 of the initial value of PARAM. Once the converged solution for this value of the parameter is obtained, the  $\eta_{\mathrm{S,i}}$  for a new value of the parameter, corresponding to the sum of the initial value of PARAM and DPRAM (where DPRAM is the regular increment), are computed by linear extrapolation. After three sets of converged  $\eta_{\mathrm{S,i}}$ 

 $<sup>^{1}</sup>$ The variables discussed in this section are further described in the section entitled "Input Description."

have been obtained corresponding to three values of the input parameter, a quadratic extrapolation is employed. The computations continue in increments of DPRAM up to the final-value of PARAM (PARAMF) unless some difficulty is encountered which can cause the value of DPRAM to be halved. Some of these difficulties are discussed in the section entitled "Limitations." The computation is then restarted from the last converged value of PARAM once DPRAM has been halved. If DPRAM becomes less than DPRMIN the computation is terminated.

A convenient method for computing an elliptic cone is to increment T (INCRMT = 1) with the value of  $\theta$  corresponding to the desired value for the elliptic cone. The computation for a circular cone would start with  $\alpha = 0^{\circ}$  and NREAD = 0. Typical values of the increments would be DPRAM1 = -0.05 and DPRAM = -0.1 or -0.2. Once the computation has attained the final value of T, a second computation could be made for increasing angles of attack. In this computation the last converged  $\eta_{s,i}$  values corresponding to  $\alpha = 0^{\circ}$  would be read in (NREAD = 1 and NCNVRGB = 0). The incrementation would then be made on  $\alpha$ ; thus, INCRMT = 2. Typical values of the  $\alpha$ -increments might be DPRAM1 = 0.1 and DPRAM = 1.0 or 2.0.

It is possible, through a simple modification of the program, to increment two (or more) parameters simultaneously by establishing a functional relation between them. This procedure is followed in cases where only the final combination of values of parameters is of interest. For example, to compute an elliptic-cone flow field with T=0.6 and  $\alpha=4.0^{\circ}$  one could take

$$T = 1.$$
,  $ALPHAD = 0.$ ,  $NREAD = 0$ ,  $INCRMT = 1$ ,  $NCNVRGB = 0$ ,  $PARAM = 1.$ ,  $PARAMF = .6$ ,  $DPRAM1 = -.05$ ,  $DPRAM = -.1$ 

and set

$$ALPHAD = 4.*(1.-PARAM)/(1.-PARAMF)$$

after card A1490 of the MAIN program.

## Nonuniform Line Spacing

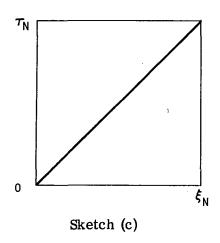
Included in the program are several options for obtaining a nonuniform line spacing. One option allows the user to select three regions around the right half-body so that in each region the physical line spacing is constant (equal  $\Delta \tau$ ) but can differ from the spacing in the other two regions. This option is called when NSPACE = 2 and is described in the section entitled "Input Description."

The other options are continuous transformations between the physical arc length  $\tau$  and the computational coordinate  $\xi$ . In these options the computations are carried out with equal increments  $\Delta \xi$ , whereas the physical spacing  $\Delta \tau$  is stretched in various regions according to the option triggered by KTRANSF and the slope control parameter SLOPE (see section "Input Description"). The basic transformation is the following cubic polynomial relating  $\tau$  to  $\xi$ :

$$\tau = \tau_{O} + (\xi - \xi_{O}) \left[ a + b (\xi - \xi_{O})^{2} \right]$$

where a is the slope control parameter  $d\tau/d\xi$  at  $\xi=\xi_0$  and has the FORTRAN name SLOPE and b and  $\xi_0$  are constants which depend on the choice of a and  $\tau_0$ . There are three options, described as follows:

(1) KTRANSF = 1, identity transformation. This option gives  $\tau = \xi$ , that is, uniform line spacing in both the physical and computational planes (sketch (c)). With SLOPE = 1.0 as input, the program automatically uses  $\tau_0 = \xi_0 = b = 0$ . This option is the one which has been generally successful for most body shapes, as explained in reference 1.

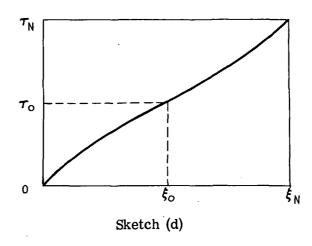


(2) KTRANSF = 2, high or low density of lines at  $\psi = 0^{\circ}$ . In this transformation option,  $\tau_{o}$  is the value of  $\tau$  at  $\psi = 0^{\circ}$ , that is,  $\tau_{N}/2$ . Then  $\xi_{o}$  and b are given by

$$\cdot \quad \xi_{O} = \frac{3\tau_{O}}{2a+1}$$

$$b = \frac{1-a}{3\xi_0^2}$$

which give  $\frac{d\tau}{d\xi} = 1.0$  at both  $\xi = 0$  and  $\xi = \xi_N$ . When a = SLOPE is less than or greater than 1, the physical line spacing is more or less dense, respectively, near  $\psi = 0^{\text{O}}$  than it is near the symmetry planes. Sketch (d) illustrates the transformation when SLOPE < 1.0. The user may typically employ SLOPE < 1.0 when calculating the flow over an elliptic cone with T < 1.0 in order to place relatively more lines in the region of large curvature. For the same reasons, SLOPE > 1.0 may be used for the elliptic cone with T > 1.0. Practical values of SLOPE range between 0.5 and 1.5.



(3) KTRANSF = 3, high or low density of lines at  $\psi = 90^{\circ}$ . In this option, the line spacing can be made more or less dense near the leeward symmetry plane,  $\psi = 90^{\circ}$ , by choosing a = SLOPE less than or greater than 1, respectively. The parameters of the cubic polynomial are

$$\tau_{0} = \xi_{0} = 0$$

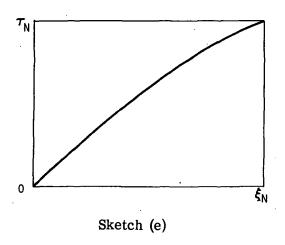
$$\frac{\mathrm{d}\tau}{\mathrm{d}\xi} = 1.0 \qquad (\xi = 0)$$

$$b = \frac{a-1}{3\xi_N^2}$$

where

$$\xi_{\mathbf{N}} = \frac{3\tau_{\mathbf{N}}}{2+a}$$

This transformation is illustrated in sketch (e) for SLOPE < 1.0.



Input Description

The following list contains the program input variables, which are arranged according to order of presentation in the program.

Input card	FORTRAN variable	Description
1	STMACH	Free-stream Mach number, $M_{\infty}$
	GAMMA	Ratio of specific heats, $\gamma$
	<b>T</b>	Semiaxis ratio of the elliptic cone, b/a, where b is the semiaxis of the elliptic body in the YZ-plane of symmetry (which contains the velocity vector, sketch (a)) and a is the semiaxis in the XZ-plane of symmetry
	THETAD	The cone semiangle in the XZ symmetry plane, $\theta$ , degrees
,	ALPHAD	Angle of attack, α, degrees
2	N	Number of lines. Line 1 is in the windward symmetry plane and line $N$ is in the leeward symmetry plane. Must be an odd number to obtain force coefficients. Maximum allowed value is $N = 20$ .

Input card	FORTRAN variable	Description
2	M	Body selection trigger
		M = 0 for zero-incidence circular-cone solution
	·	M = 2 for circular, elliptic, and bielliptic cones
	NREAD	Trigger for reading in shock shape
•		NREAD = 0 if the built-in approximate shock shape is to be used. This shock shape is satisfactory only for nearly circular cones at small incidence.
		NREAD = 1 when input shock shape is to be read in
	NSPACE	Line space trigger
	•	NSPACE = 1 for equal line spacing in the computational plane (equal $\Delta \xi$ ). The line spacing in the physical plane ( $\Delta \tau$ ) can be made nonuniform by selection of the parameters KTRANSF and SLOPE.
		NSPACE = 2 gives piecewise constant line spacing in three segments with NA lines in the first segment, (NB-NA) lines in the second segment, and (N-NB) lines in the third segment. Set KTRANSF = 1 and SLOPE = 1.0. This option is not recommended. See input card 8 for further description.
	INCRMT	Trigger denoting which parameter on card 1 is to be incremented
		INCRMT = 1 increment T
		INCRMT = 2 increment ALPHAD
		INCRMT = 3 increment THETAD
		INCRMT = 4 increment STMACH
		INCRMT = 5 increment GAMMA
	IPRINT	Print trigger
		IPRINT = 1 full print including basic information for each trial shock shape, output heading, and zeta print blocks (flow-field data for each value of zeta) for

intermediate and final computations

FORTRAN variable

Description

2

IPRINT = 2 prints only ZETA = 0 block for all but the final (PARAMF) case in a series and full print for PARAMF

**NCNVRGB** 

Start selection trigger

NCNVRGB = 0  $\eta_{\rm S}$  values are found from the builtin approximate shock shape (with NREAD = 0) or are read in (NREAD = 1). See input card 9.

NCNVRGB = 1 one set of converged  $\eta_{\rm S}$  values are read in which correspond to PARAM1. The program uses those  $\eta_{\rm S}$  values to start the calculation for PARAM.

NCNVRGB = 2 two sets of converged  $\eta_{\rm S}$  values are read in which correspond to PARAM1 and PARAM2. The program extrapolates these  $\eta_{\rm S}$  values linearly to obtain  $\eta_{\rm S}$  values to start the computation for PARAM.

NCNVRGB = 3 three sets of converged  $\eta_{\rm S}$  values are read in which correspond to PARAM1, PARAM2, and PARAM3. The program extrapolates these quadratically to obtain  $\eta_{\rm S}$  values to start the computations for PARAM.

KTRANSF

Continuous line spacing transformation trigger. (See section entitled "Nonuniform Line Spacing.")

KTRANSF = 1 identity transformation in conjunction with SLOPE = 1 (see input card 4). Required for NSPACE = 2. The computational coordinate  $\xi$  is equal to the arc length  $\tau$ .

KTRANSF = 2

If SLOPE < 1 the lines will be more dense in the region  $\psi = 0^{\circ}$ .

If SLOPE > 1 the lines will be more dense in the windward and leeward symmetry planes.

Input card	FORTRAN variable	Description
2		KTRANSF = 3
		If SLOPE < 1 the lines will be more dense in the leeward symmetry plane.
·		If SLOPE > 1 the lines will be more dense in the windward symmetry plane.
	NPLOT	Punched card output to be used for plotting. (See section on "Output."
		NPLOT = 0 no punched card output for plots
		NPLOT = 1 punched card output for plots
	NPUNCH	Punched card output for $\eta_{\mathbf{S}}$
		NPUNCH = 0 no punched card output of $\eta_S$ values
		NPUNCH = 1 punched card output of $\eta_{\rm S}$ values for each pivotal shock shape
3	PARAM	First value of STMACH, GAMMA, T, THETAD, or ALPHAD to be computed in a series, with the others held constant. (See definition of INCRMT.)
	PARAMF	Final value of PARAM to be computed
	DPRAM1	First small increment used with NCNVRGB = 0 or 1 to perturb the results obtained with PARAM. Program uses $\eta_{\rm S}$ values converged for PARAM to start the computations for PARAM = PARAM + DPRAM1. Successful convergence for this new value of PARAM gives the information needed for linear extrapolation to the next value of PARAM which is the sum of the original value of PARAM and DPRAM. If NCNVRGB $\neq$ 0 or 1, DPRAM1 is a dummy input.
	DPRAM	Incremental value of parameter used after first increment DPRAM1. The magnitude of DPRAM must be greater than the magnitude of DPRAM1.

Input card	FORTRAN variable	Description			
3	DPRMIN	Minimum value allowed for DPRAM. If the program runs into trouble during a series of parameter incrementations, DPRAM is halved, possibly many times. DPRMIN prevents wasted machine time in hopeless cases.			
4	SLOPE	Continuous line spacing transformation parameter. (See section "Nonuniform Line Spacing.")			
		SLOPE	KTRANSF	Denser lines at	
		1.0	1		
	•	<1.0	2	$\psi = 0^{\mathbf{O}}$	
		>1.0	2	$\psi$ = -90° and +90°	
•		<1.0	3	$\psi = +90^{\rm O}$	
		>1.0	3	$\psi = -90^{\circ}$	
5	VTEST	Accuracy criterion on maximum normal velocity component at cone surface. Usually 10 <sup>-3</sup> suffices for three figures in shock shape and pressure distribution.			
	VTEST1	When the maximum magnitude of the normal velocity component on the surface VMAX lies between VTEST and VTEST1, a modified Newton method is incorporated, where the old Jacobian matrix of influence coefficients is used (ref. 1).			
6	M2E	Trigger for b	oielliptic cone co	mputation	
		$\mathbf{M2E} = 0  \mathbf{f}$	or circular or el	liptic cones	
		M2E = 1 for bielliptic cone. It is necessary to set NSPACE = 1, KTRANSF = 1, and SLOPE = 1 for M2E = 1.			
7	TU	plane of sy XZ (horizo ratio for th	mmetry and a ntal) plane of syr ne upper half of the ratio for the low	in the leeward YZ (vertical) is the semiaxis in the mmetry. TU is the axis he bielliptic cone, and Ter half. This card is read	

Input card	FORTRAN variable		Description			
8		This-card-is-read-in only-when-NSPACE = 2.				
	NA	Number of lines equally spaced in first segment; must be an odd number to obtain force coeffi- cients (sketch (f))				
	NB		end of second segment; must be to obtain force coefficients			
	ANA	$\frac{\text{XI(NA)}}{\text{XI(N)/2}}$	XI(N) XI(NB)			
	BNB	$\frac{\mathrm{XI(NB)}}{\mathrm{XI(N)/2}}$	$\frac{\text{XI(N)}}{2}$			
			XI (NA)			
			XI(1)			
		X	I is arc length along contour.			
		•	(-)			

This card is read in only if NREAD = 1 and NCNVRGB = 0.

Sketch (f)

ETAS(I) (I = 1, ..., N) Values of  $\eta_S$  which are used to start the computations for PARAM. See input card 2 description for NCNVRGB = 0.

The use of previously converged results for starting a series of related computations provides an economical method of using the program. Input cards 10 to 18 are used for this purpose: input cards 10 and 11 are used when one converged case is read in (NCNVRGB = 1); input cards 12 to 14 are used with two converged cases (NCNVRGB = 2), and input cards 15 to 18 are used with three converged cases (NCNVRGB = 3). Thus, if one had previously converged elliptic-cone cases for T = 0.8, 0.7, and 0.6, one could use those three sets of  $\eta_S$  values with NCNVRGB = 3 to predict the starting shock shape for some other value of T, say 0.5. Hence the input would include INCRMT = 1, PARAM = 0.5, PARAM1 = 0.8, PARAM2 = 0.7, and PARAM3 = 0.6.

9

Input card	FORTRAN variable	Description
10	•	ut card 11 are read in only if NCNVRGB = 1. 2 description for NCNVRGB = 1.
	PARAM1	Value of PARAM corresponding to ETAS1(I)
11	ETAS1(I) $(I = 1,, N)$	Values of $\eta_{\rm S}$ corresponding to PARAM1
12		ut cards 13 and 14 are read in when See input card 2 description for
	PARAM1	Value of PARAM corresponding to ETAS1(I)
	PARAM2	Value of PARAM corresponding to ETAS2(I)
13	ETAS1(I) $(I = 1,, N)$	Values of $\eta_s$ corresponding to PARAM1
14	ETAS2(I) $(I = 1,, N)$	Values of $\eta_{_{\mathbf{S}}}$ corresponding to PARAM2
15		ut cards 16, 17, and 18 are read in only B = 3. See input card 2 description for
	PARAM1	Value of PARAM corresponding to ETAS1(I)
	PARAM2	Value of PARAM corresponding to ETAS2(I)
	PARAM3	Value of PARAM corresponding to ETAS3(I)
16	ETAS1(I) $(I = 1,, N)$	Values of $\eta_{_{\mathbf{S}}}$ corresponding to PARAM1
17	ETAS2(I) $(I = 1,, N)$	Values of $\eta_{_{\mathbf{S}}}$ corresponding to PARAM2
18	ETAS3(I) $(I = 1,, N)$	Values of $\eta_{\rm S}$ corresponding to PARAM3

## Output

Among the first items printed are some of the input parameters (see section entitled "Input Description") and, in addition, some preliminary computed quantities and control parameters (described in the sections entitled "Auxiliary Definitions" and "Secondary Parameters") which are not input data but which can be readily changed within the program. Two sample computations are presented in appendix B.

Each pivotal (trial) shock shape and the resulting normal velocity components at the cone surface are printed out regardless of the print option. (The N-variations of the pivotal shock shape are not printed.) The following information is printed: -ETAS(I), ETASP(I), CP(I) at shock, CP(I) at body, and V(I) at body for  $I=1,\ldots,N$  from left to right. (CP is pressure coefficient and V is normal velocity component.) After the print of V(I) at the body, the quantities KCOUNT, VMAX, EPSIG, SPACER, VMXTEST, and DETERM are printed followed by DETA(I).

If IPRINT = 1 and a case has been converged (i.e., VMAX < VTEST), the full results are printed, starting on a new page, with much of the preliminary information repeated in an orderly fashion. This allows the printing for the preliminary iterations to be separated and discarded if desired. If IPRINT = 2, only the final converged case in a series is printed in full. For an explanation of full print, see sections "Summary Print Block" and "ZETA Print Blocks."

The arc length TAU(I) and the transformed coordinate XI(I) are printed between the summary print block and the zeta print blocks together with the body coordinates XO(I), YO(I) and the shock quantities ETAS(I) and ETASP(I).

Windward- and leeward-line zeta limits. Following the ZETA = 0 print block are the limiting values of certain flow properties which are dependent upon the direction of approach to the nodal-point singularity as described in reference 1. For the elliptic cone with T < 1, a nodal point lies on the surface in both the windward and leeward symmetry planes. The values printed in the ZETA = 0 print block are the limits obtained by approaching the symmetry planes along the surface. The limits corresponding to an approach in the symmetry plane are tabulated under the headings "WINDWARD LINE ZETA LIMIT" and "LEEWARD LINE ZETA LIMIT." For the circular cone and the elliptic cone with T > 1, the windward stagnation point is a saddle point and all variables are continuous there, hence the values printed in WINDWARD LINE ZETA LIMIT and the ZETA = 0 print block are the same. For the elliptic cone with T > 1, a saddle point or a nodal point may lie on the surface in the leeward symmetry plane, depending upon the geometry and flow conditions. (The entropy function SBAR is printed under the heading labeled "S.")

Force coefficients. - After the windward-line and leeward-line zeta limits, the aero-dynamic force and moment coefficients are printed as well as the center-of-pressure location. The quantities printed are coefficients of axial force (CZ), normal force (CY), drag (CD), lift (CL), moment about X-axis (CM), and the coordinates of the center of pressure (YBAR and ZBAR). The reference area for the force and moment coefficients is the base area.

<u>Plots.</u>- The program has a plot option trigger, NPLOT, which can be used to obtain punched card output for use in another program which, in turn, rearranges the cards in an order suitable for plotting cross-flow streamlines and the cross sections of the body and shock, as well as surface and shock pressure coefficients and surface quantities U, W, RHO, and CROSSM as functions of  $\psi$ . This second program is not included, however, because each different computer system has its own variations in plotting routines and requirements. It is hoped that the user can adapt the punched card output for these plots to his specific requirements.

Appropriate labels for the cards are punched at cards A1600 and A1610, and the body coordinates, polar angle  $\psi$ , and surface quantities are punched at cards A6020 to A6100 of MAIN program. The quantity NZETA punched at card A6020 in the MAIN program (computed at card L760 in subroutine PRINT) is a counter of the number of integration steps from the shock which is used in the plotting program. In subroutine PRINT, the polar angle and shock pressure coefficient are punched at cards L550 and L560. The coordinates of the shock and cross-flow streamlines are punched at cards L810 and L820.

## Auxiliary Definitions

Several quantities appear in the printout of the preliminary iterations; some of these quantities can be useful in evaluating the sequence of iterations. Those quantities which have not been defined elsewhere are defined as follows:

variable	Description
AAST	Ratio of critical speed to free-stream speed
DETA	The correction applied to each value of $\eta_s$ , $\Delta \eta$
DETERM	The determinant of the Jacobian, or influence coefficient, matrix.  (This matrix is normalized so that the sum of squares of the elements of each row is 1.)
EPSIGMX	Maximum value allowed for EPSIG. This parameter has been used at times with EPSIG (see section "Secondary Parameters") computed within the program as some fraction of VMAX. This procedure is not recommended. Set in card A2080 of MAIN program.
EPSIGOM	Parameter for controlling step size during the numerical integration of the body geometry. Used in cards C540 and C550 in subroutine RUNKUT and set in card A580 in the MAIN program.

FORTRAN

FORTRAN variable	Description
EPSIVAR-	Perturbation parameter. Changes $\eta_{\rm S}$ to $(1+{\rm EPSIVAR})\eta_{\rm S}$ for each perturbation integration. Set in card A2090 of MAIN program and used in cards A8280, A8350, and A8370 of MAIN program.
ETASP	Derivative of the quantity $\eta_{\rm S}$ with respect to the arc length $\tau$ , ${\rm d}\eta_{\rm S}/{\rm d}\tau$
INTCNT	Number of integration steps used to determine $\xi(N)/2$ in body geometry computation
KCOUNT	Total number of pivotal and variational integrations (see NCYCLE)
NCYCLE	Number of iteration cycles. The first cycle always consists of one pivotal (trial) and N variational integrations to generate the Jacobian matrix. Subsequent cycles may or may not include the N perturbation integrations. No perturbation runs are made when VMAX < VTEST1 (modified Newton computation) and the old Jacobian matrix is used to obtain the corrections $\Delta \eta$ ; in this case a cycle is one integration. When VMAX > VTEST1 one cycle consists of the pivotal integration and the N perturbation integrations required to generate a new Jacobian matrix.
PTINF	Free-stream total pressure referenced to product of free-stream density and square of free-stream velocity
RANGLE	Relative angle of incidence, $\alpha/\theta_0$ , where $\theta_0$ is the cone semiapex angle in the vertical (YZ) plane of symmetry
VMAX	Maximum magnitude of normal velocity component on body surface
VMXTEST	Velocity test parameter, computed in cards A2600 and A2610 of the MAIN program and used in card A7860. If VMAX > VMXTEST occurs during a parametric incrementation series, the increment

gram as required.

is automatically halved. VMXTEST is computed as 0.5 of the

minimum magnitude of the velocity component normal to the shock wave. This factor can be altered in card A2590 of the MAIN pro-

## FORTRAN variable

## Description

XI

Computational coordinate,  $\xi$ . The computational coordinate is related to the physical arc-length coordinate  $\tau$  through the function  $\xi = \xi(\tau)$ . The function can be chosen to alter the line spacing in the arc-length variable  $\tau$ . See KTRANSF and SLOPE in section entitled "Input Description."

## Secondary Parameters

A number of parameters have been built into the program which control various computations. Those related to the size of the integration steps are as follows:

## FORTRAN variable

## Description

**EPSIG** 

Control parameter for triggering the extrapolation to the surface. When the G-function in the denominator of the equations for the zeta derivatives becomes smaller than EPSIG, the program extrapolates to obtain values of the normal velocity component at the surface. Used in cards J920 and J940 of subroutine EQNS and set in card A2060 of the MAIN program. Normal value is 10<sup>-3</sup>. This parameter must be reduced in value when small integration steps are used near the body.

EPSINT, DSMAX, DSMIN

Parameters used when integration step size is automatically varied. This option is not recommended. The program uses a preselected step variation by setting DSMIN= DSMAX at card K350 of subroutine RUNKUT2. The value of EPSINT is set in card A2100 of MAIN program and is used in cards K1300 and K1430 of subroutine RUNKUT2.

SPACER

Sets the minimum distance between points to be used in the formula for extrapolation to body surface. Used in card K530 of subroutine RUNKUT2 and set in card A2070 of MAIN program. Recommended value is SPACER=EPSIG.

## Summary Print Block

## The notation used in the summary print block is as follows:

FORTRAN variable	Symbol	Description
I	٠	Line number
PSID		Arc $\tan (y_0/x_0)$ , degrees
PSISD		Arc tan $(y_s/x_s)$ , degrees
хо, чо	x <sub>o</sub> ,y <sub>o</sub>	Cartesian coordinates of body in plane $Z = 1$
XOBAR, YOBAR	x̄ <sub>o</sub> ,ȳ <sub>o</sub>	Cartesian coordinates of body referenced to $x_{0,max}$
XS, YS	$x_s, y_s$	Cartesian coordinates of shock in plane $Z = 1$
XSBAR, YSBAR	$\bar{x}_s, \bar{y}_s$	Cartesian coordinates of shock referenced to $x_0$ , max
ETAS	$\eta_{_{f S}}$	Value of $\eta$ at shock, radians (see section on "Zeta Print Blocks" for description of $\eta$ )
BETAD	β	Angle between free-stream velocity vector and tangent plane to shock, degrees
ХI	ξ	Computational coordinate (see section on ''Auxiliary Definitions'')
СРЅНОСК		Pressure coefficient at shock wave
CPBODY		Pressure coefficient at body surface

## Zeta Print Blocks

The notation used in the zeta print blocks is as follows:

FORTRAN variable	Description					
ZETA	Independent variable, surface.	$\eta/\eta_{\rm s};$	ζ = 1	at shock and	$\zeta = 0$	on body

FORTRAN variable	Description
P	Pressure p referenced to product of free-stream density and square of free-stream velocity
P/ROASTSQ	Pressure referenced to product of free-stream density and square of critical speed
P/PTINF	Pressure referenced to free-stream total pressure
P/PINF	Pressure referenced to free-stream pressure
RHO	Density $\rho$ referenced to free-stream density
u,v,w	u-, v-, w-components of velocity in r-, $\eta$ -, $\tau$ -directions, respectively, referenced to critical speed
UC,VC,WC	Quasi-cylindrical velocity components in Z-direction, and directions normal and tangential to body contour in plane Z = 1, respectively, referenced to critical speed
vcc,wcc	Circular cylindrical velocity components normal and tangential to a circle in plane Z = 1, referenced to critical speed.  UCC is same as UC.
VX,VY,VZ	Cartesian velocity components, referenced to critical speed
PSINOR	Arc tan (VX/VZ), degrees
THETNOR	Arc cos $VY/\sqrt{(VX)^2 + (VY)^2 + (VZ)^2}$ , degrees
XBAR, YBAR	Cartesian coordinates referenced to $x_{o,max}$
XBHLD, YBHLD	Cartesian coordinates of cross-flow streamline (isentrope) that intersects the shock at line I, referenced to $x_{0,max}$
ETA	Angle measured in a plane normal to the body from a ray on surface to ray in field, $\eta$ , radians
G	Function that appears as a factor in the denominator of most of the equations for the $\zeta$ -derivatives and which vanishes at

the body (g in ref. 1, p. 12)

FORTRAN variable	Description
_ DEQNS	Function which is a factor in the denominator of the
	equations for the $\zeta$ -derivatives (D in ref. 1, p. 13). It vanishes when a line $\zeta$ = Constant becomes tangent
	to a conical characteristic. This tangency can occur
	only when regions of supersonic cross flow
	$(CROSSM \ge 1)$ appear.
AM	Local Mach number, $\frac{\sqrt{U^2 + V^2 + W^2}}{a}$ , where a is the speed of sound.
CROSSM	Cross-flow Mach number, $\frac{\sqrt{V^2 + W^2}}{a}$
SBAR	Entropy function, $\overline{S} = \log[(P/PINF)\rho^{\gamma}]$
POROGAM	$\mathbf{P}/ ho^{\gamma}$
PT/PTINF	Ratio of total pressure to free-stream total pressure
PT	Total pressure referenced to product of free-stream density and square of free-stream velocity
BERNOUL	Error in Bernoulli equation,

$$1 - \left(\frac{2\gamma}{\gamma - 1} \frac{p}{\rho} + u^2 + v^2 + w^2\right) / \frac{\gamma + 1}{\gamma - 1}$$

 $\frac{dp}{d\ell'}$ ,  $\frac{du}{d\ell'}$ ,  $\frac{dv}{d\ell'}$ ,  $\frac{dw}{d\ell'}$ ,  $\frac{d\overline{S}}{d\ell'}$ , respectively DPDZ, DUDZ, DVDZ, DWDZ, DSBDZ

Finite-difference approximations for  $\frac{\partial p}{\partial \tau}$ ,  $\frac{\partial u}{\partial \tau}$ ,  $\frac{\partial v}{\partial \tau}$ ,  $\frac{\partial w}{\partial \tau}$ , respectively PP, UP, VP, WP, SBARP

## Accuracy Control Parameters

The accuracy of the computations improves with increasing number of lines N and with increasing number of points NP in the cross-derivative approximation formula only within certain limitations. Instabilities arise for computations at low free-stream Mach numbers or for very flat (small T) elliptic cones, and the instabilities are

accentuated for the larger values of N. The integration step size, particularly near the body surface, can also influence the accuracy of the final results. Recommended values for computations to engineering accuracy (three to four figures) are given for the principal parameters.

FORTRAN variable	Description
DS	Integration step size from shock to body. Set in cards K420, K430, K440, and K450 of subroutine RUNKUT2. Recommended values are
	$DS = -0.1 \text{ for } 0.1 < ZETA \le 1.0$
	$DS = -0.05 \text{ for } 0.05 < ZETA \le 0.1$
	$DS = -0.025$ for $0.025 < ZETA \le 0.05$
	$DS = -0.0125$ for $0 < ZETA \le 0.025$
N	Number of lines
_	For circular cones at small incidence (RANGLE < 0.5) or elliptic cones of moderate axis ratio (1. $\ge$ T $\gtrsim$ 0.7) and small incidence, N = 5 to 11.
	For circular cones at large incidence (RANGLE $\geq$ 0.5) and elliptic cones at any incidence, $N=13$ to 19.
NP	Number of points used in computation of cross derivatives. Set in card A620 in MAIN program.
-	NP = 3 for computations where computing time is a prime consideration
	NP=5 for most computations. Larger values increase the computing time substantially with little change in the overall results. The accuracy with $NP=5$ is noticeably better than with $NP=3$ .
VTEST	Convergence criterion on the maximum normal velocity component at the body surface

 $VTEST = 10^{-3}$  to  $10^{-4}$  for most cases

where convergence is difficult

VTEST =  $5 \times 10^{-3}$  for relatively flat elliptic cones (T  $\leq 0.25$ )

FORTRAN variable

## Description

VTEST1

Parameter for selection of regular or modified Newton method.

The modified Newton method is used after all the normal velocity components on the body are less than VTEST1

VTEST1 = 0.01 to 0.05 for most cases

VTEST1 = 0.001 for relatively flat (T  $\leq$  0.25) elliptic cones

The quantity DPRAM, which is the increment in the parameter being varied in the computations, can have a significant influence on the overall computing time. Values of this parameter can only be established on the basis of experience. For example, if the incrementation parameter is the angle of attack, DPRAM = 2.5 may suffice for circular cones at Mach numbers larger than 3, whereas the value of DPRAM required for an elliptic cone may be considerably smaller. The automatic incrementation routine has a built-in provision for reducing the size of the increment as required. See section on "Incrementation of a Parameter."

### Entropy-Layer Computations

The values of some of the parameters must be changed in order for computations to be carried into the entropy layer. These computations have to be carried out in a sequence of steps by using the converged shock shape from one sequence as the input values for the next sequence of computations. The magnitudes of the quantities VTEST, EPSIG, SPACER, and DS must be reduced in stages. Setting SPACER=EPSIG is recommended for all computations. One satisfactory procedure has made use of a systematic step-size reduction (for example, a halving mode for DS) for values of ZETA less than 0.1 with EPSIG = 10.\*VTEST. The quantity VTEST was then reduced in a sequence of computations, the first with VTEST =  $10^{-4}$ , the second with VTEST =  $10^{-6}$ , and so forth. The computation was continued in stages until VTEST was  $10^{-10}$ .

#### Limitations

The computations may become very sensitive to the accuracy of the shock description, or fail completely, for the following conditions:

(1) Angle of attack equal to or greater than the body apex half-angle in the vertical (YZ) plane of symmetry. Three factors contribute to the difficulty in obtaining a solution: (a) the shock wave on the leeward side approaches tangency with the free-stream Mach cone which is a singularity of the equations, (b) the cross flow becomes locally supersonic which signals the onset of embedded shock waves, and (c) the computed pressures in the

flow field or on the body become very small. The computations can often be continued to larger angles of attack by reducing the number of lines. Use can also be made of the option of altering the body shape on the leeward side to avoid some of the computational difficulties for cases where the flow on the windward side is of primary interest. For this option set M2E = 1 and TU > T in the input. See section "Input Description."

- (2) Very flat elliptic cone. The pressure gradients in the cross-flow direction became large as the axis ratio T becomes small, thus dictating a relatively large number of lines to construct the solution to good accuracy. However, instabilities arise for a large number of lines (ref. 1) and it becomes necessary to use fewer lines than would otherwise be desirable. Some roughness in the computed results will generally be evident when  $T \lesssim \frac{1}{3}$  but this is dependent on the angle of attack. Computations for smaller T can be made for small angles of attack but the results will be more irregular. The maximum number of lines recommended is N = 19.
- (3) Low Mach number. The computations become very sensitive to the accuracy of the shock shape at the low supersonic Mach numbers. If difficulty is encountered for  $M_{\infty} < 2$ , say, the solution can sometimes be obtained by reducing the number of lines. In general, the method fails for slender cones at low supersonic Mach numbers, a condition which produces a weak shock.

## Special System Features

The program is written in FORTRAN IV for the Control Data 6000 series computer system. Some changes may be required for other systems. The word length of this computer is 60 bits, so double precision should be used on systems with 32- or 36-bit word lengths. Some seven-character variable names have been used in the program which may not be acceptable to other systems. At card A1330 a test is made on the input values of T and  $\alpha$ . If they are exactly 1.0 and 0., respectively, the zero-incidence circular-cone solution (using only one line) is triggered. Some computers may not store an exact 1.0 or 0., even though they are inputs, hence an appropriate test would need to be substituted. The program requires a field length of 70 K<sub>8</sub> to compile and execute on the CDC 6000 series computer system at Langley Research Center.

Langley Research Center,

National Aeronautics and Space Administration, Hampton, Va., December 30, 1971.

## PROGRAM LISTING, LIST OF SUBROUTINES, AND FLOW CHART

The computational program listing is given in this appendix together with a list of the subroutines and a flow chart.

## Program Listing

The computational program listing is as follows:

```
AAST:SDRT((GAMMA-1.)/(GAMMA+):)+2./((GAMMA+):)*STMACH**2))
AASTGO:AAST**2
AASTGO:AAST**2
READ (5.135) N.M.NREAD:NSPACE:INCRMT:IPRINT:NCNVRGB:KTRANSF:NPLOT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IMPUNCH.
READ (5-134) PARAM-PARAMF, DPRAM1 DPRAM DPRMIN
READ (5-134) SLOPE
READ (5-134) VIEST-VIEST)
                    PROGRAM MAIN (INPUT.OUTPUT.TAPES=INPUT.PUNCH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF M2E=0 USE REGULAR M=2 SOLUTION
IF M2E=1 USE M=2 BODY WITH TWO ELLIPSES
WHEN M2E=1. NSPACE MUST EQUAL ONE. KTRANSF=1.SLOPE=1
                  CONICAL FLOW ABOUT FILLIPTIC CONES BY THE METHOD OF LINES WITH INCREMENTATION OF A PARAMETER
  COMMON F(3)-DE (3)-FC (3)-DEC(3)-ABI (3)-ABI (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TIP MEETI USE MEED BOUT WITH TWO ELLISSES

WHEN MEETI, NSPACE MUST EQUAL ONE, KTRANSE

FRAD (5.135) MEE

IF (WEELEOL) READ (4.134) TU

KCOMMT=0

KLINEPIENEI

NA11

ANA10,

NR11

BNB=0,

NMIEN-1

IF (MSPACE=E0.2) FRAD (5.144) NA.N9.ANA.BNB

NCNVOGANCKVOGG

PRINT 137, N.M. NREAD.NSPACE.NP.NCNVOG

PRINT 136, NA.NA.NB.RNP

PRINT 156, VTEST.VTEST!

PRINT 156, VTEST.VTEST!

IF (WEELEOL) PRINT 199, MEE.

IF (WEELEOL) PRINT 199, MEE.

IF (WEELEOL) PRINT 199, MEE.

IF (KNNVGG.E0.3) AND.NEELD.CO.0 GO TO B

IF (KNNVGG.E0.3) GO TO 7

3 FRAD (5.152) (FTAS(1).1*1.N)

GO TO 8

PRAD (5.152) (FTAS(1).1*1.N)

TAS(1)15TAS(1)

GO TO 8

READ (5.152) PARANI, DARAPP

FTAS(1)15TAS(1)

GO TO 8

READ (5.152) PARANI, DARAPP

FTAS(1)15TAS(1)

GO TO 8

READ (5.152) PARANI, DARAPP

FTAS(1)15TAS(1)

GO TO 8

READ (5.152) PARANI, DARAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A1010
                               COMMON BLOCKS NEEDED IN MP.LGRANGE.DERIVE COMMON BLOCKS NEEDED IN MP.BG
DATA (FR(1), 121,121/3HER1,3HER2,3HER3,3HER4,3HER3,3HER4,3HER7,3HER4,3HER7,3HER4,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HER7,3HE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 READ (5-152) (ETAS2(1)-1=1-N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SELECT REAL PARAMETED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SPLECT DEAL PARAMETED

O TO (11:12:13:14:15), INCRMT

11 TEPROAM

GO TO 16

12 ALPHADEDRAW

GO TO 16

13 THETACEPROAW

GO TO 16

AS THEMPEDOAW

AS THEM
                          ##0 - ZERO-INCIDENCE, CIRCULAR CONE

##2 - CIRCULAR-SELIDITIG **NO BI-SELIPTIC CONES

INFORTS | INCREMENT T

INFORTS | INCREMENT T

INFORTS | INCREMENT THETAN

INFORTS | INCREMENT THETAN

INFORTS | INCREMENT STWACH

INFORTS | INCREMENT GAWA

IPPINTS | ORIGINATE CONVERGED VALUES FOR EACH PARAMETER

IPPINTS ORIGINIS CONVERGED VALUES ONLY FOR FINAL PARAMETER

[A) IDENTITY TRANSFORMATION, NIVANSES, SLOPES |

(A) IDENTITY TRANSFORMATION, NIVANSES, SLOPES |

(A) IDENTITY TRANSFORMATION, NIVANSES, SLOPES |

(C) HIGH DENSITY OF LINES AT NODAL POINT, KIRANSES, SLOPE LT 1.
          READ (5-134) STMACH-GAMMA.T.THETAD.ALPHAD
```

```
RANGLE-ALPHAR/ATAN(TOTAN(THETAR))

PRINT 167. RANGLE

### APPLICATION OF THE TANGE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CALL SHOCK (I)
UNDRHORADS(VII)*COS(=(GMA)*V(I)*SIN(SIGMA))*+5
IF ((-FO-1) VMYTEST*(NORHO)
IF ((-GT-1-AND,UNDRHO)-LT-MYTEST) VMXTEST*UNDRHO
CP(1)=2.*(P(1)-1-/(GAMA*STMACH**2))
IF ((P(1)-LT-1) GO TO 105
CPSHCCK(1)=(P(1))
26 CONTINE
IF (*-LT-1-0) GO TO 27
GO TO 32
7 TO 20 (**I-N)
IM(=1-1)
IM(=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A1700
A1710
A1720
A1730
A1740
A1750
A1760
A1770
A1780
A1800
A1810
A1820
A1830
A1840
A1840
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A2610
A2620
A2630
A2640
A2650
A2660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A2670
A2680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A2690
A2700
A2710
A2720
A2730
A2740
A2750
A2760
A2770
A2780
A2790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A1880
A1890
A1900
A1910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO TO 31

GO TO 31

GO TO 31

GO TO 31

GO TO 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A1920
A1930
A1940
A1950
A1960
A1970
A1980
A1990
A2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A2810
                                                     INITIAL VALUES OF INTEGRATION PARAMETERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A2830
             20 J=0
                                                  DEGRIJO

DEG
                                                     DE0=1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SARRYX-SARR(J)
60 10 31
70 CONTINUE
7 TERMI-IXIST-XI(JJMI))*(XIST-XI(JJ))*SBAR(JJM2)/((XI(JJM2)-XI(JJMI))
71 TERMI-IXIST-XI(JJ))
71 TERMI-IXIST-XI(JJ)
71 TERMI-IXIST-XI(JJ)
71 TERMI-IXIST-XI(JJ)
71 TERMI-IXIST-XI(JJMI)
71 TERMI-IXIST-XI(JJMI)
72 TERMI-IXIST-XI(JJMI)
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75 TERMI-IXIST-XI(JJMI)
76 TERMI-IXIST-XI(JJMI)
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79 TERMI-IXIST-XI(JJMI)
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70 TERMI-IXIST-XI(JJMI)
71 
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A2020
A2030
A2040
A2050
A2060
A2060
A2080
A2080
A2110
A2120
A2130
                                                     INTSTEP=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A3010
                                                  PRINT 165. EPSIG. FPSIGMX. SPACER. EPSIVAR. FPSINT
IF (NCNVRGB. EQ. 1. AND. L.1 - EQ. 1) GO TO 132
IF (NCNVRGB. EQ. 2. AND. L.1 - EQ. 1) GO TO P7
IF (NCNVRGB. EQ. 2. AND. L.1 - EQ. 1) GO TO 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A2140
A2150
A2160
A2170
A2180
A2190
A2200
A2210
A2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A3020
A3030
A3040
A3050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRINT 158. (CP(1):10]:N)
34 IF (NDEBUG-E0:0) PRINT 143. (1-U(1):P(1):V(1):W(1):101:N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DUMMY INITIALIZATION OF EXTRAPOLATION PARAMETERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A3060
A3070
A3080
A3090
A3100
A3110
A3120
A3140
A3140
A3150
A3150
A3160
A3170
A3180
                                                  COMPUTE INITIAL VALUES FOR INTEGRATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NO 3E |=1.N
ZETA1(|)*|.0
ZETA1(|)*|.0
ZETA2(|)*|.0
ZETA2(|)*|.0
ZETA4(|)*|.0
DI(|)*|.1
21 CONTINUE

1F (MCOUNT.EQ.O.AND.NPIV.LE.I) NSCIP=0

1F (M-NE.I) DYIEXI(2)-XI(1)

1F (M-NE.I) DYIEXI(2)-XI(1)

1F (M-NE.I) DYIEXI(2)-XI(1)

1F (M-NE.I) DYIEXI(2)-XI(1)

22 CALL DYIEXI(1)-XIE

POINT 161. (PTAS(1))-XIE

POINT 161. (PTAS(1))-XIE

POINT 161. (PTAS(1))-XIE

POINT 161. (PTAS(1))-XIE

1INCOUNT.EQ.O.AND.NPIV.FO.C.AND.NPUNCH.EQ.I) PUNCH 155. PARAM.M.

1INCOUNT.EQ.O.AND.NPIV.FO.C.AND.NPUNCH.EQ.I) PUNCH 155. (ETAS(I))

1-1-1-1-1.N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A2210
                                    A3200
A3210
A3220
A3240
A3240
A3260
A3260
A3270
A3280
A3290
A3200
                                              IF (M-ME-0) CALL LGRANGE (11-ND-MLINES-NORBUG-XZEMO-X1-ETAS-XX)

IF (M-ME-0) FTASP(11-GZB(1)*DVDX

IF (M-GO.1) ETASP(1)+DVDX

ZETA-1.0

FTA(1)=ZETA#FTAS(1)

CON1-CS(IN(FTA(1))

M-COVZ-AGR(1)+CON)

H-COVZ-AGR(1)+CON)

IF (M-ME-0)-F-AT, GO TO ZE

PRINT 142 - ER(1)-1-ZETA-STAS(1)-ETA(1)-CON1-CON2-ASE(1)-M-MS

STOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A2400
A2410
A2420
A2440
A2450
A2450
A2460
A2480
A2490
A250
A250
A250
A2530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A3310
A3320
A3330
A3340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A3350
A3350
A3360
A3370
A3390
A3400
A3410
A3420
A3420
```

		FUN(1.6)=594R(1)	A3460		F18();=TERM1-FAC*P();/RHO();-U();**2-UP();**2	44340
		DFUN(I+1)=DZETA	A3470		UISEN(I) = U(I)	A4350
		FUNC([+2)=U(])	A3480	45	CONTINUE	A4360
_	36	CONTINUE	A3490		JTFMP=0	A4370
c		INTEGRATE EQUATIONS FROM ZETA+1 TO ZETA+0	43500		DO 4R J=LMT1+LMT	A4380
č		The state of the s	A3510 A3520		1=LYT1-,	A4390
-		DO 68 INTENT=1.100000	A3530		JTFWD=JTFWP+1	A4400 A4410
		CALL DERIVE (DZETA.NP)	A3530 A3540		U(J)2().+EP5(U)*U(SFN(J)	A4420
		IF (0EQ.FQ.0.0) GO TO 105	43550	40	NP=NPHI D	A4430
		IF (NEGP+E0+0) GO TO 105	A3560		IF (ISIGN.NE.500.AND.NTIMES.EQ.1.AND.L.EQ.1SIGN) NP=3	A4440
	37	1F (NPRINT.NE.2) GO TO 66	A3570		IF (ISIGN.NE.500.AND.NTIMES.EG.2.AND.I.EQ.ISIGN+1) NP=3	A4450
		NSB=1	43580		CALL LGRANGE (1.NP+NLINES+NDEBUG+X1(1)+X1+(1+X+Y+DYDX)	A4460
		EDS1<801	A3590		UP(1)=G2B(1)*DYDX	A4470
		SRTERT=1.F-08	A 3600		F1(1)=T5RM1-FAC+P(1)/RHO(1)-U(1)+*2-UP(1)**2	A4480
		SBRCON*SHARMX	43610		DEID(((1,J)=(E1(1)-E1@(1))/(EPSIU*UISEN(J))	A4490
		DO 38 I=I+N	A3620		OFIDII(ITEMP+JTEMP)=DFIDU([+J)	A4500
		ZFTA=FUN([-1])	A3630 A3640		IF ([.FO.LPT) GO TO 47	44510
		U(1)=F(N(1.2)	A3640 A3650		1=1+1	A4520
		P(1)=FUN(1+3)	A3660		TEMD=  TEMD+     GO TO 46	44540 44540
		V(1)=FUN(1-4)	A3670	47	U(J)=U[SFN(J)	A4550
		W(1)=FUN(1+5)	43680		CONTINUE	A4560
		SBAR(1)=FUN(1:6)	A3690		IF (1516N-EQ-500) NXYZ=N	44570
		DZETA*DFUN(I+1)	A3700		IF (ISIGN.NF.500.AND.NTIMES.EG.1) NXYZ=ISIGN	A4580
		DUDZ(1)*DFUN(1.2)	A3710		IF (ISIGN.NF.500.AND.NTIMES.FG.2) NXYZ=N-1SIGN	A4590
		DPDZ(I)*DFUN([.3)	A3720		[]Ewo=0	44600
		IF (7ETA+NE+0+0) DVDZ([)=DFUN(1+4) DWDZ(1)=DFUN(1+5)	A3730		DO 49 1=[#T]+[#T	44619
		DWDZ(1)*DFUN(1+5) DSRC7(1)*DFUN(1+6)	A3740		ITEMP=ITEMP+1	A4620
		CONTINUE	A3750 A3760	49	R(ITEMP+1)=-FIR(1)	A4630
	-,0	OM=(1(1)	A3760 A3770		CALL SIMFO (OFIDU+NXYZ+3+1+DFTERM+1PIVOT+NM4X+1SCALE) 11EMD=0	A4640 A4650
		RHOW=RHO(1)	A3770 A3780		11EMO=0  00 50 1=LMT1+LMT	A4650 A4660
		SW=SPAR(1)	A3780		ITEMP=ITEMP+1	A4670
		PORGAMW*POROGAM(1)	A3800	50	U(1)*U(SEN(1)+B(()TEMP+1)	A4680
		UL=U(N)	A3810		ITFMD=0	A4690
		RHOL =RHO(N)	43820		DO 51 [=LMT1+LMT	A4700
		SL#SPAR(N)	A3830		TFMD= TFMP+1	A4710
		PORGAML *POROGAM (N )	A3840		IF (ABS(B(ITEMP+1))+GT+FPS(SEN) 60 TO 52	44720
		IF (T+FO+1+) PGAM=PORGAMW W/11=O+	A3850	<b>-</b> 1	CONTINUE	A4730
		W(N)=W(1)	A3860		GO TO 59	A4740
		NT [MES=1	A3880	52	DO 53 1=LMT1+LMT NP=NPHLD	A4750 A4760
		IF (7FTA+NF+0+0) GO TO 62	A3880 A3890		NP#NDHLD IF (15[GN.NE.500.AND.NTIMFS.EO.1.AND.1.FO.15[GN) NP=3	A4770
			H30740		11 (131311122311011112111111111111111111111	
		JE (V-E0.0) GO TO 62	A3900		<pre>IF (ISIGN.NF.*SOM.AND.NTIMES.FO.2.4NDAI.EQ.ISIGN.1) NP=3</pre>	<b>4478</b> 0
		(W.FQ.O) GD TO 62     (WZC.FD.1) GO TO 62	A3910		IF (ISIGN.NF. SOM.AND.NTIMES.EO.2.AND.I.EO.ISIGN.I) NP=3 CALL LGRANGE (I.NP. N.INES.NDEBUG.XI(I).XI.U.X.Y.DYDX)	A4790
c		IF (M2E.E0.1) GO TO 42	A3910 A3920	57	CALL LGRANGE (I:NP:NLINES:NDEBUG:X((I):XI:U:X:Y:DYDX) UP(I)=G28(I)*0YDX	44790 44800
c			A3910 A3920 A3930	57	CALL LGRANGE (I-NP-NLINES-NDEBUG-X((I)-XI-U-XX-Y-DYDX)  UP(I)=GREII)=DYDX  IF (ISIGN-NF-SDG-AND-NTIMES-FD-1) GO TO 54	44790 44800 44810
ccc		F (WZE.EG.1) GO TO AZ  COPRECT SURFACE QUANTITIES AT ZETA+O	A3910 A3920 A3930 A3940		CALL LGRANGE (1:NP-N_INES-NDEBUG-X((1)-X1-U-XX-Y-DYDX) UP(1)=7678 11 = 7478  IF (1516N-NP-900-AND-NTIMES-F0-1) GO TO 54 GO TO 98	A4790 A4800 A4810 A4820
ccc		IF (WZE.FG.1) GO TO AZ  CORRECT SURFACE QUANTITIES AT ZETA=Q  EPSISEN=1.E-06	A3910 A3920 A3930 A3940 A3950		CALL LGRANGE (1:NP-NLINES:NDEBHG:X1(1):X1-U:XX-Y-DYDX)  UP(1):G2R(1)*GYDX  IF (1S1GN-NFDG-AND,NTIMES:FG-1) GO TO 54  GO TO 58  LE-WT1-L"T	A4790 A4800 A4810 A4820 A4820
ccc		F (WZE.FG.1) GO TO A2  CORRECT.SURFACE QUANTITIES AT ZETA+0  EDS[SEN+1.E-06  TERM!=11+2./((GAMMA-1.)*STMACH+*2)]/AASTSO  FERM!=11+2./((GAMMA-1.)*AASTSO)	A3910 A3920 A3930 A3940 A3950 A3960	54	CALL LGRANGE (1:NP-N_INES-NDEBUG-X((1)-X1-U-XX-Y-DYDX)  UP(1):76,78(1)=70,79  IF (1516N-NP-70-ANN-NTIMES-F0-1) GO TO 54  GO TO 58  PO 58 1=LWT1-LUT  IF (**P(1)-56-F0-ANN-1*P(1+1)-LT-0-0) GO TO 56	A4790 A4800 A4810 A4820 A4830 A4840
c c		F (WZE.FG.1) GO TO A2  CORRECT.SURFACE QUANTITIES AT ZETA+0  EDS[SEN+1.E-06  TERM!=11+2./((GAMMA-1.)*STMACH+*2)]/AASTSO  FERM!=11+2./((GAMMA-1.)*AASTSO)	A3910 A3920 A3930 A3940 A3950	54 54	CALL LGRANGE (1.MP.NLINES.NDEBUG.XI(1).XI.U.XX.Y.DYDX) UP(1)=528(1)**CYDX IF (1SIGN.NF.*SOC.AND.NTIMES.*FO.1) GO TO 54 GO TO 58 0.7 TO 58 1=WT1.L**T IF (**P(1).GF.0.*AND.(**P(1+1).LT.0.****) GO TO 56 CONTINUE	A4790 A4800 A4810 A4820 A4830 A4840 A4850
c c		F (WZE.FD.1) GO TO AZ  CORRECT.SURFACE QUANTITIES AT ZETA+Q  EDS[SEN=1.E-06  TERM[=1]+2./([GAMMA-1.]*STMACH++2])/AASTSQ  FAC=(2.*CAMMA)/([GAMMA-1.]**ASTSO)   F (W.EO.2.*AND.T.GT.1.) GO TO 39   SIGN=500	A3910 A3920 A3930 A3940 A3950 A3960 A3970	54 54	CALL LGRANGE (1:NP-N_INES:NDEBUG-X((1)-X1-U-XX-V-DYDX)  UP(1):TGRANDE-TO-AND-NTIMES-F0.1) GO TO 54  GO TO 58  PO 58 1 = U*T1-L"T  FC (**P(1)**C**********************************	A4790 A4800 A4810 A4820 A4830 A4840 A4850 A4850
c c c		IF (WZE.FO.1) GO TO A2  CORRECT SURFACE QUANTITIES AT ZETA+O  EFEN+1.#-D6  FECH+11.#-Z-/((GAMMA-1.)*SIMACH+*2)//AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*AASTSO)  F[ (W.EO.2.*AND.1.GT.1.) GO TO 39  ISIGN=500  ISIGN=15ICN+1	A3910 A3920 A3930 A3940 A3950 A3960 A3970 A3980	54 54 55	CALL LGRANGE (1:NP-N_INES:NDEBUG-X((1)-X1-U.XX-Y-DYDX)  UP(1)-76.78   11   11   17   17    IF (151.0x, NF-5.0c. AND, NTIMES.FO.1) GO TO 54  GO TO 58  PO 56   12   VT1   1   1    IF (-P(1), G.F.O. AND, (P(1+1), LT-0.0) GO TO 56  CONTINUE  151.0w=1  151.0w=1  151.0w=1  151.0w=1  151.0w=1  151.0w=1  151.0w=1	A4790 A4800 A4810 A4820 A4830 A4840 A4850
c c c		F (WZE.FO.1) GO TO A2  CORRECT.SURFACE QUANTITIES AT ZETA+Q  EDS(SEN=1.E-06  T@M(=1)+2./((GAMMA-1.)*STMACH+*2))/AASTSQ  FAC=(2.*CAMMA)/((GAMMA-1.)*AASTSQ)   F (M.EQ.2.*AMD.T.GT.1.) GO TO 39   S GM(=10)  S GM(=10)	A3910 A3920 A3940 A3950 A3960 A3960 A3970 A3980 A3990 A4010	54 54 55	CALL LGRANGE (1.NP.NLINES.NDEBUG.X((1).XI.U.XX.Y.DYDX)  UPI.11367811197070  IF (ISION.NF.SOC.AND.NTIMES.FO.1) GO TO 54  GO TO 56  GO TO 56  CONTINUE  ISIGN=1  ISIGN=	A4790 A4800 A4810 A4820 A4830 A4840 A4860 A4860 A4860 A4860 A4860
ccc		IF (WZE.FO.1) GO TO AZ  CORRECT SURFACE QUANTITIES AT ZETA=O  EOSI-SEN=1.E-OO  FAC=(2.*GAMMA)-((GAMMA-1.)*SIMACH**2)]/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*AASTSO)  IF (W.EO.2.4 NOD.T.GT-1.) GO TO 39  ISIGN=500  ISIGN=1 SIGN+1   LWT1N	A3910 A3920 A3930 A3940 A3950 A3960 A3960 A3960 A3960 A4010 A4020	54 54 55	CALL LGRANGE (1:NP-N_INES-NDEBUG-X((1)-XI-U-XX-Y-DYDX)  UP(1):76.78.11.19.79.7X  IF (15.10.N.N-5-70-AND.NTIMES-F0.1) GO TO 54  GO TO 58  PO 58 1=L_WTI-L_T  IF (**P(1),0F-0.*AND**(*P(1+1)*LT-0.0) GO TO 56  CONTINUE  ISIGN=1  ISIG	A4790 A4800 A4810 A4820 A4820 A4830 A4850 A4850 A4850 A4870 A4880 A4890
ccc		IF (WZE.FG.1) GG TO 2 CORPECT SURFACE GUARTITIES AT ZETA=O EGS[SEN=1.E=-06 TEGM[==1].E=-	A3910 A3920 A3930 A3940 A3950 A3950 A3970 A3980 A3990 A4010 A4010 A4010	54 54 55	CALL LGRANGE (INP-N_INES.NDEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):3GRAID 18-7070  IF (ISIGN.NF-30-AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 56 I = UNTI-L'T  IF (IP(I).GF-GL.AND.+IP(I+1).LT+0.0) GO TO 56  CONTINUE  ISIGNET  IF (ISIGN-ISIGNE) S7.58.57  LWT=15IGNE  LWT=15IGN  VIIMESE1	A4790 A4800 A4810 A4810 A4810 A4850 A4850 A4850 A4860 A4890 A4890 A4900 A4910
ccc	39	IF (WZE.FO.1) GO TO AZ  CORRECT SURFACE QUANTITIES AT ZETA=O  EOSI-SEN=1.E-OO  FAC=(2.*GAMMA)-((GAMMA-1.)*SIMACH**2)]/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*AASTSO)  IF (W.EO.2.4 NOD.T.GT-1.) GO TO 39  ISIGN=500  ISIGN=1 SIGN+1   LWT1N	A3910 A3920 A3930 A3940 A3960 A3960 A3970 A3990 A4000 A4010 A4010 A4020	54 54 55 57	CALL LGRANGE (1:NP-N_INES-NDEBUG-X((1)-XI-U-XX-V-DYDX)  UP(1):76.78.11.19.79.79  IF (15.10.NP-\$70-AND.NTIMES.F0.1) GO TO 54  GO TO 58  PO 58 1=LUTI.LT  IF (*P(1),0F-0AND.(*P(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGN=1  I	A4790 A4800 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4910 A4910 A4920
ccc	39	IF (WZE.FO.1) GO TO AZ  CORRECT SURFACE QUANTITIES AT ZETA=0  EDSI-SEN=1.E-DO  FAC=(2.*GAMMA)-((GAMMA-1.)*SIMACH**2)]/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*AASTSO)  IF (W.EO.2.*AND.T.GT-!.) GO TO 39  ISIGNESTO  ISIGNESTO  LWTIN  GO TO 42  DO 40 [=1.NN]  IF (W(1).GE.OAND.W(1+1)-LT-0.0) GO TO 41	A3910 A3920 A3930 A3940 A3950 A3960 A3960 A3960 A4000 A4010 A4010 A4010 A4030 A4030	54 54 55 57	CALL LGRANGE (1.NPN_INES.NDEBUG.X((1).XI-U.XX-Y-DYDX)  UP(1):XGRAIT 18-YXYX  IF (1SIGN.NF\$DC.AND.NTIMES.FG.1) GO TO \$4  GO TO \$6  DO \$8 1=LUTILL**I  IF (**PE(1).GF.C**.AND.**PE(1+1).LT.O**O) GO TO \$6  CONTINUE  ISIGNATISTICNATI  IF (ISIGN-ISIGNAT) \$7.58.57  LUTISTICNATISTIC	A4790 A4800 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4910 A4910 A4910 A4910 A4910
ccc	39 40	F (WZF.EO.1) GO TO A2  COPPECT SUMPACE QUANTITIES AT ZETA=0  EDSISEN=1.E-06  TERMI=11+2./(GAMMA-1.)*STMACH**2)1/AASTSO  FACT(2.*GAMMA)/(GAMMA-1.)*ASTSO)    F (W.EO.2.*AMD.T.GT.1.) GO TO 39    S GAMP1*ISTGN+1  LWT1=1  LWT1=1  LWT1=1  COPPECT   STREET   S	A 3910 A 3920 A 3940 A 3950 A 3950 A 3950 A 3960 A 3970 A 3970 A 4010 A 4010 A 4020 A 4050 A 4050 A 4050 A 4050 A 4070	54 54 55 57	CALL LGRANGE (1.NPNLINES.NDEBUG.X((1).XI-U.XX-Y-DYDX)  UP(1):3GR11197070  IF (1SIGN.NFSDC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 1=LWT1.LTT  IF (**P(1).GF.G.*AND.(**P(1+1).LT.0.***) GO TO 56  CONTINUE  ISIGN=1:ISIGN+1	A4790 A4800 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4910 A4910 A4920
ccc	39	IF (WZE.FO.1) GO TO AZ  CORRECT.SURFACE QUANTITIES AT ZETA=0  EDSISEN=1.E-DO  FAC=(2.*GAMMA)-/(GAMMA-1.)*SIMACH**2)]/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*AASTSO)  ISIGN=500  ISIGN=1*ISIGN+1  Lwfi=1  Lwfi=1  GO TO 42  DO 40 [=1.NM]  IF (w(1).GE.OAND.w(1+1).LT.O.0) GO TO 41  CONTINUE  ISIGN=1*ISIGN+1  LSIGN=1*ISIGN+1  ISIGN=1*ISIGN+1  ISIGN=1*ISI	A3910 A3920 A3930 A3950 A3950 A3950 A3960 A3970 A3980 A4010 A4010 A4010 A4050 A4050 A4050 A4050 A4050 A4050	54 54 55 57	CALL LGRANGE (1:NP-N_INES-NDEBUG-X((1)-X1-U-XX-V-DYDX)  UP(1)=76,78 (1) 19 (7) YX  IF (1516N_NF-570-ANN_NTIMES-F0.1) GO TO 54  GO TO 58  PO 58 1=L_WT1.L_T  IF (*P(1),6-0ANN_N(P(1+1)-LT-0.0) GO TO 56  CONTINUE  1516W=1	A4790 A4800 A4810 A4810 A4810 A4810 A4850 A4850 A4850 A4860 A4890 A4900 A4910 A4910 A4910 A4910 A4910 A4910 A4910 A4910
ccc	39	F (WER.FO.1) GO TO A2  COPPECT SUMPACE QUANTITIES AT ZETA=0  ECSISEN=1.E-06  TERMI= 1.+2./(GAMMA-1.)*STMACH**23)/AASTSO  FACT(2.*GAMMA)/(GAMMA-1.)*ASTSO)    S (AN=SO)   S (	A3910 A3920 A3930 A3950 A3950 A3950 A3970 A3970 A4010 A4010 A4020 A4010 A4050 A4050 A4050 A4050 A4050 A4050	54 54 57 57	CALL LGRANGE (I.MPN.INES.NDEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):3GR11197070  IF (ISIGN.NE-SPC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 I ELWTI-LTT  IF (*PE(1).GF.GAND.(*PE(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGN=1   ISIGN   ST. SE. ST.  LWT1=1   ISIGN   ST. SE. ST. SE. ST. ST. SE. ST. ST. SE.	A4790 A4800 A4810 A4810 A4810 A4810 A4850 A4850 A4870 A4870 A4910 A4910 A4910 A4910 A4910 A4910 A4910 A4910 A4910 A4950 A4950 A4950 A4970
ccc	39 40	IF (WZE.FO.1) GO TO AZ  CORRECT SURFACE QUANTITIES AT ZETA=0  ED51:ERW1.E-O6  ED51:ERW1.E-O6  FAC=(2.*GAMMA)/((GAMMA-1.)*SIMACH**2))/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*AASTSO)  IF (W.EO.2.*AND.T.GT-1.) GO TO 39  ISIGNP1=ISIGNP1  LWT1N  GO TO AZ  DO AO 1=1,NN1  IF (W(1).GE.OAND.W(1+11-LT-0.0) GO TO 41  CONTINUE  ISIGNP1=ISIGNP1  LSIGNP1=ISIGNP1  LSIGNP1=ISIGNP1  LWT1NI	A 3910 A 3920 A 3930 A 3940 A 3950 A 3950 A 3970 A 3970 A 3970 A 4010 A 4010 A 4010 A 4050 A	54 54 57 57	CALL LGRANGE (1.NPN_INES.NDEBUG.X((1)-XI-U.XX-Y-DYDX)  UP(1):TGRAID 18-YOYX  IF (151GN.NP\$TO-AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 1=LWTI-LUT  IF (*P(1),GF.0A.AND.(*P(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNUE   ISIGN	A4790 A48010 A48010 A48010 A48010 A48010 A48010 A48010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010 A49010
ccc	39 40	IF (WER.FO.1) GO TO A2  COPPECT SUMPACE QUANTITIES AT ZETA=0  ECOSISEN=1.E-06  TERMI=11+2./((GAMMA-1.)*STMACH**2)1/AASTSO  FACT(2.*GAMMA)/((GAMMA-1.)*ASTSO)  IS (GAMMA)/((GAMMA-1.)*ASTSO)  IS (GAMMA)/(GAMMA-1.)*ASTSO)  IS (GAMMA)/(GAMMA-1.)*ASTSO)  IS (GAMMA)/(GAMMA-1.)*ASTSO)  IS (GAMMA)/(GAMMA-1.)*ASTSO)  IS (GAMMA)/(GAMMA-1.)*ASTSO)  CO TO 42  CO TO 42  LETIAL	A3910 A3920 A3930 A3940 A3960 A3960 A3960 A3960 A3960 A4010 A4020 A4010 A4020 A4050	54 54 57 57	CALL LGRANGE (I.MPNLINES.NDEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):5GRAID 1187070  IF (ISIGN.NF5DC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 1=LWTI-LTI  IF (PP(1).GF.GA.AND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNET	A4790 A48010 A4810 A4810 A4810 A4810 A4810 A4810 A4810 A4910 A4910 A4920 A4940 A4940 A4940 A4940 A4940 A4940 A4940 A4940 A4940
ccc	39	IF (WZE.FO.1) GO TO A2  CORRECT SURFACE QUANTITIES AT ZETA=0  EDSISENTIA-E-OB  FAC=(2.*GAMMA)-((GAMMA-1.)*SIMACH**2)]/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*AASTSO)  IS (GAMPA)-((GAMMA-1.)*AASTSO)  IS (GAMPA)-((GAMMA-1.)*AASTSO)  IS (GAMPA)-((GAMMA-1.)*AASTSO)  IS (GAMPA)-(GAMMA-1.)*AASTSO)  IS (GAMPA)-(GAMMA-1.)*AASTSO)  LWTIN  GO TO 42  DO 40 [=1,NN]  IF (W(1).GE-O.,AND.W(1+1).LT.O.O) GO TO 41  CONTINUE  IS (GAMPA)	A3910 A3920 A3930 A3940 A3940 A3960 A3960 A3960 A3980 A4010 A4010 A4020 A4030 A4050 A4050 A4050 A4060	54 54 57 57	CALL LGRANGE (1.NPN_INES.NDEBUG.X((1)-XI-U.XX-Y-DYDX)  UP(1):TGRAID 18-YOYX  IF (151GN.NPSTO-AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 1=LWTI-LUT  IF (*PC(1),GF.0AND.(*PC(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNUE	A4790 A48010 A48010 A48010 A48010 A48010 A48010 A48010 A49010
ccc	39 40	IF (WER.FO.1) GO TO A2  COPPECT SUMPACE QUANTITIES AT ZETA+O  ECSISEN=1.E-06  TERM1=11+2./((GAMMA-1.)*STMACH**2)1/AASTSO  TERM1=11+2./((GAMMA-1.)*STMACH**2)1/AASTSO  TERM1=11+2./(GAMMA-1.)*AASTSO)  ISIGN=11SIGN=1  LWTI=1  LWTI=1  TOPTTMINE  CO IN A2  DO IN A2  DO IN A2  DO IN A2  LWTI=1  LWTI=	A3910 A3920 A3930 A3940 A3950 A3960 A3960 A3980 A3980 A4000 A4010 A4020 A4020 A4050 A4060 A4070 A4060 A4070 A4080 A4090 A4110 A4120 A4130	54 54 57 57	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):5GR.1118707X  IF (ISIGN.NF.5DC.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 58 IELWIT.LTI  IF (PP(1).GF.GAND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNPIETCION+1  IF (ISIGN.ISIGNH) 57.58.57  LWI]:1  LWITES (IN NEW 1.SIGNH) 57.58.57	A4790 A4800 A4800 A4800 A4800 A4800 A4800 A4900 A400 A4
ccc	39 40	IF (WZE.FO.1) GO TO A2  CORRECT.SURFACE QUANTITIES AT ZETA=0  EDSISEW=1.E-DO  FAC=(2.*GAMMA)/((GAMMA-1.)*SIMACH**2)1/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*ASTSO)  ISIGN=500  ISIGN=1*ISIGN+1  Lwfi=1  Lwfi=1  F (w(1).GE.OAND.w(1+1).LT.O.0) GO TO 41  CONTINUE  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  ISIGN=1*ISIGN+1  ISIGN=1*ISIGN+1	A3910 A3920 A3930 A3940 A3950 A3960 A3960 A3960 A3960 A4060 A4060 A4060 A4070 A4050 A4060	54 54 57 57	CALL LGRANGE (1.NP.*LINES.NDEBUG.X((1))XI-U(XXY-DYDX)  UP(1)T-GRAID 18-CYDX  IF (15[GN.NF.*GPC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 1=LWTI-LWT  IF (*PC(1),GF.G.*A.AND.(*PC(1+1)).LT.G.(*) GO TO 56  CONTINUE  ISIGNUE   ISI	A4790 A48010 A48010 A48010 A48010 A48010 A48010 A49
ccc	39 40	IF (WZE.FO.1) GO TO A2  CORPECT SUMFACE QUANTITIES AT ZETA=0  EDSISEN=1.E-06  TERM!=!1+2./(GAMMA-1.)=STMACH=*2)]/AASTSO  FAC=(2.*GAMMA)/(GAMMA-1.)=AASTSO)  [SIGN=900  [SIGN=900  [SIGN=900  GO TO 42  DO 40 !=1.NM1  [F (W1):0.E-0.*AND.W[!+1]*LT.0.0) GO TO 41  CONTINUE  [SIGN=900  [SIGN=900]	A3910 A3920 A3930 A3940 A3950 A3950 A3960 A3960 A3960 A4010 A4010 A4020	54 54 57 57	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):500.1870.70  IF (ISIGN.NF.50.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 58   IELWIT.LIT  IF (PP(1).6F.G.1.AND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNET  ISIG	A4790 A4800 A4800 A4800 A4800 A4800 A4800 A4800 A4900 A400 A4
ccc	39 40	IF (WZE.FO.1) GO TO A2  CORRECT.SURFACE QUANTITIES AT ZETA=0  EDSISEW=1.E-DO  FAC=(2.*GAMMA)/((GAMMA-1.)*SIMACH**2)1/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*ASTSO)  ISIGN=500  ISIGN=1*ISIGN+1  Lwfi=1  Lwfi=1  F (w(1).GE.OAND.w(1+1).LT.O.0) GO TO 41  CONTINUE  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  Lwfi=1  ISIGN=1*ISIGN+1  ISIGN=1*ISIGN+1  ISIGN=1*ISIGN+1	A3910 A3920 A3930 A3940 A3950 A3960 A3960 A3960 A3960 A4060 A4060 A4060 A4070 A4050 A4060	54 54 57 57	CALL LGRANGE (I.NPN.INES.NDEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):3GR1113PYDY  IF (ISIGN.NF.5DC.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 58 IBLWTI.LT  IF (UP(1):0F.CL.AND.NP.(I+1).LT.D.D) GO TO 56  CONTINUE  IF (UP(1):0F.CL.AND.NP.(I+1).LT.D.D) GO TO 56  CONTINUE  IF (ISIGN-ISIGNN) 57.58.57  LWT: SIGN-ISIGNN) 57.58.57  CWT: SIGNN  ST.D.NP.ISIGNN   CONTA 04  DO TO 12.WTI.LMT  WE (STOP.GT.25) POINT 156. NSTOP  IF (USTOP.GT.25) FO TO 59  CO TO 40  DO TO 12.WTI.LMT  WE STOP.GT.25.10 SO (1) PEGDWA  START(1):ALD.GT.GAMMA*SYMACH**2*PDQROGAM(1))  PROMOUS CORT (ISIGNMA*SYMACH**2*PDQROGAM(1))  CROSM*(1):ARSYMI):VPROMIAST  ASDORAMMA*SYMIN(1):VPROMIAST	A4790 A4800 A4800 A4810 A4810 A4810 A4810 A4810 A4810 A4900 A4900 A4900 A4900 A4900 A4940 A4900 A4000 A4000 A4000 A4000 A4000 A4000 A4000 A4000 A4000 A4000
ccc	39 40 41		A3910 A3920 A3930 A3940 A3950 A3950 A3960 A3960 A3960 A3960 A3960 A4060 A4070 A4050	54 54 57 57	CALL LGRANGE (I.NPN.INES.NDEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):XGRAIT 18-YAYX  IF (ISIGN.NFSOC.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 58 18LWTI.LTT  IF (PP(1):GF.GC.AND.NP((11).LT.O.O) GO TO 56  CONTINUE  ISIGNET (ISIGN.)  ISIGNET (ISIGN.)  ST.58.57  LWT=15IGN.  VIIMESE1  GO TO 42  LWT-15IGN.  VIIMESE1  GO TO 42  LWT-15IGN.  VIIMESE1  GO TO 42  DO TO 12LWTI.LTT  DODOGAM(1)=0.GC.SCS) POINT 166. NSTOP  IF (MSTOP.GT.SCS) POINT 166. NSTOP  IF (MSTOP.GT.SCS) POINT 167. NSTOP  IF (MSTOP.GT.SCS) POINT 168. NSTOP  IF (MSTOP.GT.SCS) POINT 169. NSTOP  OT TO 44  DO TO TELWTI.LTT  U(1)=0.GC.GAWMAPSIMACH=2-POROGAM(1)  DODOGAM(1)=0.I/PMOUTH=52-POROGAM(1)  POROSEM(1)=ANS.VE(1))**PENDMAAST  ASDOCALMARSEN(N)(1)=VPENDMAAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST  ASDOCALMARSEN(N)(1)=VPENDMIAST	A4790 A4800 A4800 A4800 A4800 A4800 A4800 A4800 A4900 A400 A4
ccc	39 40 41	IF (WZE.FO.1) GO TO A2  CORPRCT SURPACE QUANTITIES AT ZETA+0  EPSISEN+1=-0  TERM1=!1+2-/((GAMMA-1.)*STMACH+*2))/AASTSO  TERM1=!1+2-/((GAMMA-1.)*STMACH+*2))/AASTSO  TERM1=!1+2-/((GAMMA-1.)*ASTSO)  ISIGNESO  ISIGNESO  ISIGNESO  ISIGNESO  OF A 1-1	A3910 A3920 A3930 A3940 A3950 A3960 A3970 A3980 A3980 A4010 A4010 A4020	54 54 57 57	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):TGRAIT.18707X  IF (ISIGN.NF.*GPC.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 58 IELWIT.LUT  IF (PP(1):GF.GAND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNET  ISI	A4790 A48910 A48910 A48910 A48910 A48910 A48910 A48910 A48910 A49
ccc	39 40 41	IF (WEREPOLI) GO TO A2  CORPECT SURFACE QUANTITIES AT ZETA=0  ECCISEN=1.E-06  TERM[= 1.+2.7((GAMMA-1.)*STMACH**2)]/AASTSO  FACT(2.*GAMMA)/(GAMMA-1.)*STMACH**2)]/AASTSO  [5](AND 1.51 (AND	A3910 A3920 A3930 A3940 A3950 A3950 A3960 A3970 A3980 A3980 A3980 A3980 A4000 A4070 A4060 A4070 A4060 A4070 A4080	54 54 57 57 59 59	CALL LGRANGE (I.NPN.INES.NDEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):XGRAIT 18-YXYX  IF (ISIGN.NFSOC.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 56 I = UNTILLTI  IF (UP(1):G.FG.LAND.NP(I+1).LT.D.D) GO TO 56  CONTINUE  ISIGNET (ISIGN.)  ISIGNET (ISIGN.)  ST.SB.57  LWT=ISIGN.  VIIMES=1  GO TO 42  UP(1):3.C  NSTROSNSCTOP-1  IF (MSTOP.GT.25) POINT 166. NSTOP  IF (MSTOP.GT.25) POINT 166. NSTOP  IF (MSTOP.GT.25) POINT 167. NSTOP  IF (MSTOP.GT.25)	AA 1790 AA 8800 AA 8810 AA 8870 AA 8870 AA 8870 AA 8870 AA 9800 AA 9900 AA 9900 AA 9900 AA 9900 AA 9000 A5000 A5010 A5000 A5010 A5040 A604
ccc	39 40 41	F (WZE.FO.1) GO TO A2  CORPRCT SURPACE QUANTITIES AT ZETA=0  EPSISEN=1.E=0  TERM1=11.+2./(GAMMA-1.)*STMACH**2)1/AASTSO  TERM1=11.+2./(GAMMA-1.)*STMACH**2)1/AASTSO  TERM1=11.+2./(GAMMA-1.)*ASTSO)  TS[GMP1=1SIGN+1  LWTIN  GO TO 42  DO 40 1=1.NM1  IF (W(1).GE.0AND.W(1+1).LT.0.0) GO TO 41  CONTINUE  IS[GMP1=1SIGN+1  LWTIN	A3910 A3920 A3930 A3940 A3950 A3960 A3970 A3980 A3980 A4010 A4010 A4020 A4020 A4100 A4200 A4200	54 54 57 57 59 59	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):3GR1113FQYX  IF (ISIGN.NF.*3FC.AND.NTIMES.FG.1) GO TO 54  GO TO 59  DO 5K   ILLWIT.LUT  IF (PP(1), GF.GAND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNP1:ISIGNN) 57.58.57  LWT1:I  ISIGNP1:ISIGNN) 57.58.57  LWT1:I  WINGER   INC.	A 1790 A 88010 A 8810 A 8810 A 8870 A 8870 A 8870 A 8870 A 8970 A 9901 A 9901 A 9901 A 9901 A 9901 A 9901 A 9901 A 9901 A 9001 A 900
ccc	39 40 41		A3910 A3920 A3930 A3940 A3950 A3950 A3960 A3970 A3980 A3980 A3980 A4000 A4010 A4020 A4060 A4070 A4080 A4080 A4070 A4080 A4110 A4120 A4120 A4120 A4200	54 54 57 57 59 59	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):XGRAIT.18707X  IF (ISIGN.NF.*GPC.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 56 IELWTI.LTI  IF (PP(1):GF.GAND.NP(I+1).LT.O.P) GO TO 56  CONTINUE  ISIGNUE	AA 790 AA 8800 AA 8810 AA 8870 AA 8870 AA 8870 AA 8870 AA 9800 AA 9910 AA 9910 AA 9900 AA 9900 AA 9900 AF 5000 AF 5
ccc	39 40 41	F (WZE.FO.1) GO TO A2  CORPRCT SURPACE QUANTITIES AT ZETA=0  EPSISEN=1.E=0  TERM!=!1+2-/(GAMMA-1.)*STMACH**2)1/AASTSO  FAC=(2.*GAMMA)/(GAMMA-1.)*STMACH**2)1/AASTSO  FAC=(2.*GAMMA)/(GAMMA-1.)*ASTSO)  IS[GAMPISISIGN+1  LWTIN  GO TO 42  DO 40 1=1.NM1  IF (W(1).GE.00.*AND.W(1+)1.LT.0.0) GO TO 41  CONTINUE  LWTIN  GO TO 42  DO 40 1=1.NM1  IF (W(1).GE.00.*AND.W(1+)1.LT.0.0) GO TO 41  CONTINUE  LWTINI  LWTINI  LWTINI  LWTINI  IS[GAMPISIGN+1  IS[GA	A3910 A3920 A3930 A3940 A3950 A3960 A3970 A3980 A3980 A4010 A4010 A4020 A4020 A4100 A4200 A4200	54 54 57 57 59 59	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):300.11.8070X  IF (ISIGN.NF.*30.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 IELWTI.LTT  IF (PP(1).GF.GAND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNET  ISIGN	A 1790 A 88010 A 8810 A 8870 A 8870 A 8870 A 8870 A 8870 A 8901 A 9901 A 990
ccc	39 40 41 42	F (WZE.FO.1) GO TO A2  CORRECT SURFACE QUANTITIES AT ZETA=0  EPSISEN=1.E-06  TERM =1 -4.2/((GAMMA-1.)*STMACH**2)]/AASTSO  FAC=(2.*GAMMA)/((GAMMA-1.)*ASTSO)  FAC=(2.*GAMMA)/((GAMMA-1.)*ASTSO)  FAC=(2.*GAMMA)/((GAMMA-1.)*ASTSO)  FAC=(2.*GAMMA)/((GAMMA-1.)*ASTSO)  FAC=(2.*GAMMA)/((GAMMA-1.)*ASTSO)  FSIGNOP =ISIGN+1  LWTI=1  LWTI=1  FOR AT A CONTINUE  FSIGNOP =ISIGN+1  LWTI=1  LWTI	A3910 A3920 A3930 A3940 A3950 A3950 A3960 A3970 A3980 A3980 A3980 A4000 A4010 A4020 A4060 A4070 A4080 A4080 A4070 A4080 A4110 A4120 A4120 A4120 A4200	54 54 57 57 59 59	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):3GR111=7CYDX  IF (ISIGN.NF.5DC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 IELWTI.LTT  IF (PF(1), GF.GAND.(PF(I+1).LT.O.O) GO TO 56  CONTINUE  ISIGNET ISIGNET  ISIGNET  ISIGNET ISIGNET  ISIGNE	A 1790 A 8800 A 8810 A 8810 A 8810 A 8840 A 8860 A 8860 A 8860 A 8860 A 8860 A 970 A 970
ccc	39 40 41 42		A3910 A3920 A3930 A3940 A3950 A3960 A3960 A3960 A3960 A3960 A3960 A4010 A4010 A4020 A4060 A4060 A4070 A4080	54 54 57 57 59 59	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):TGRAIT.18707X  IF (ISIGN.NF.*GRO.AND.NTIMES.FG.1) GO TO 54  GO TO 56  OD 76 RE 1=LMTI.LMT  IF (PP(1):GF.GAND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNUE ISIGNUE ST.SEG.57  LMT]=1  ISIGNUE ISIGNUE ST.SEG.57  LMT]=1  LMT.SIGNUE ST.SIGNUE ST.SEG.57  LMT]=1  IF (ISIGN.PC.T.SEG.7)  NTIMES=1  IF (ISIGN.PC.T.SEG.7)  IF (ISIGN.PC.T.SEG.7)  IF (ISIGN.PC.T.SEG.7)  IF (ISIGN.PC.T.SEG.7)  PO TO 42  UP(1):3.0.  CO TO 42  UP(1):3.0.  CO TO 43  OD AC 1ELMT].LMT  IF (ISIGN.PC.T.SEG.7)  IF (ISIGN.P	A 1790 A 88010 A 8810 A 8810 A 8840 A 4860 A 4860 A 4860 A 4801 A 4901 A 4901 A 4901 A 4901 A 4901 A 4901 A 4901 A 4900 A 4900 A 4900 A 4900 A 5000 A 500
ccc	39 40 41 42	F (WZE.FO.1) GO TO A2  CORRECT SURFACE QUANTITIES AT ZETA=0  EDSISEN=1.E-06  TERM!=1!-*2./((GAMMA-1.)*STMACH**2)1/AASTSO  FAC=(2.*GAMMA)/*((GAMMA-1.)*STMACH**2)1/AASTSO  FAC=(2.*GAMMA)/*((GAMMA-1.)*ASTSO)  ISIGNESSO  CO TO 42  LWTIM  CO TO 42  ISIGNESSO  ISIGNES	A3910 A3930 A3940 A3950 A3950 A3960 A3960 A3960 A3960 A3960 A4010 A4010 A4010 A4020 A4030 A4050 A4050 A4050 A4050 A4050 A4050 A4060 A4070 A4100 A4100 A4100 A4100 A4100 A4100 A4100 A4100 A4100 A4200	54 54 57 57 59 59	CALL LGRANGE (I.MP.*LINES.NDEBUG.XI(I).XI.U.XX.Y.DYDX)  UP(1):3GR111=7CYDX  IF (ISIGN.NF.5DC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 IELWTI.LTT  IF (PF(1), GF.GAND.(PF(I+1).LT.O.O) GO TO 56  CONTINUE  ISIGNET ISIGNET  ISIGNET  ISIGNET ISIGNET  ISIGNE	A 1790 A 8800 A 8810 A 8810 A 8810 A 8840 A 8860 A 8860 A 8860 A 8860 A 8860 A 970 A 970
ccc	39 40 41 42 1		A3910 A3920 A3930 A3940 A3950 A3960 A3970 A3980 A3980 A3980 A4010 A4010 A4020 A4020 A4020 A4020 A4020 A4100 A4120	54 54 57 57 59 59	CALL LGRANGE (I.MP.*M_INES.NDEBUG.X(II).XI.U.XX.Y.DYDX)  UP(1):3GR1113PYDY  IF (ISIGN.NF.5DC.AND.NTIMES.FG.1) GO TO 54  OD TO 58  DO 58 IELWTI.LTT  IF (PP(1), 6F.G.,AND.(PP(1+1).LT.0.0) GO TO 56  CONTINUE  ISIGNPIETCHNI  IF (ISIGN.1SIGNH) 57.58.57  LWT19:  UP(1):3GR1  OT A2  UP(1):3GR1  OT A2  UP(1):3GR1  OT A2  UP(1):3GR1  OT A2  OT A1  DO TO (FLEXT)  INT  OT A2  OT A1  DO TO (FLEXT)  OT A2  OT A1  DO TO 1ELWTI.LTT  U(1):UP(1):D(1), FHO(1):*CAMMA  DA A0 IELWTI.LTT  DOBOGAM(1):B(1), FHO(1):*CAMMA  DARGUINES.GRI(GAMMA*P(1), FHO(1))  DOROGAM(1):B(1), FHO(1):*CAMMA  SABAR(1):B(1), CHO(1):*CAMMA  SABAR(1):B(1), CHO(1):*CAMMA*ST  ASGRICAMMA*P(1), CHO(1):  DOSOGAM(1):B(1):*CAMMA*P(1):*CAMMA*ST  ASGRICAMMA*P(1):TANDONAST	A 1790 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 49910 A 50010 A 50
ccc	39 40 41 42 1 1		A3910 A3920 A3930 A3940 A3950 A3950 A3960 A3970 A3980 A3980 A3980 A4010 A4020 A4020 A4030	54 54 57 57 59 59	CALL LGRANGE (I.MPN.IMES.NOEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):3GR111=MYDYX  IF (ISIGN.NF.50C.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 56 I=LWTI-LTI  IF (PP(1):0F-G.LAND.HP(1+1).LT.0.0) GO TO 56  CONTINUE  IF (ISIGN.15IGNM) 57.58.57  LWT: SIGN.15IGNM) 57.58.57  LWT: SIGN.15IGNM) 57.58.57  LWT: SIGN.15IGNM) 57.58.57  LWT: SIGN.15IGNM) 57.58.57  LWT: SIGN.15IGNM] 57.58  LWT: SIGN.15IGN.15IGNM] 57.58  LWT: SIGN.15	A 1790 A 8801 A 4810 A 4820 A 4820 A 4860 A 4860 A 4860 A 4901 A 4901 A 4901 A 4901 A 4901 A 4901 A 4901 A 4901 A 4900 A 4900 A 4900 A 5000 A 5000
ccc	39 40 41 1	F (WZE.EG.1) GO TO A2  CORPECT SURFACE QUANTITIES AT ZETA=0  EDSISEN=1.E-06  TERM!=!1+2-/((GAMMA-1.)*STMACH**2)1/AASTSO  TERM!=!1+2-/((GAMMA-1.)*STMACH**2)1/AASTSO  TERM!=!1+2-/((GAMMA-1.)*ASTSO)    SIGNET   SIGNET     SIGNET   SIGNET     SIGNET   SIGNET     Lefi=1  Lefi=1  Lefi=1  Lefi=1  Def Time   Signet     Sign	A3910 A3920 A3930 A3940 A3950 A3960 A3970 A3980 A3980 A4000 A4010 A4020 A4020 A4100 A4110 A4120 A4120 A4160 A4170 A4180 A4160 A4170 A4180 A4160 A4170 A4180 A4160 A4200	54 54 57 57 59 59	CALL LGRANGE (I.MP.*M_INES.NDEBUG.X(II).XI.U.XX.Y.DYDX)  UP(1)=CARTILLPTOY  IF (ISIGN.NF.SOC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 IELWTI.LPT  IF (PF.1).6F.G.1AND.(PF.(I+1).LT.0.0) GO TO 56  CONTINUE  ISIGNPIETCHN!  IF (ISIGN.SIGNH) 57.58.57  LWT]=I  ISIGNPIETCHN!  IF (ISIGN.SIGNH) 57.58.57  LWT]=I  ISIGN.SIGN.SIGNH) 57.58.57  LWT]=I  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGNH  ISIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.  IF ((MT.FO.N) ISIGN.SIGN.  IF ((MT.FO.N) ISIGN.SIGN.SIGN.  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGN.SIGN.SIGN.SIGN	A 1790 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 50010 A 50
ecc	39 40 41 42 1 1		A3910 A3920 A3930 A3940 A3950 A3950 A3960 A3970 A3980 A3980 A3980 A4000 A4000 A4010 A4050	54 54 57 57 59 59	CALL LGRANGE (I.MPN.IMES.NOEBUG.XI(I).XI-U.XX-Y-DYDX)  UP(1):3GR111=YCYDX  IF (ISIGN.NF.50C.AND.NTIMES.FG.1) GO TO 54  GO TO 56  DO 56 IBLWTI.LT  IF (UP(1):GF.GAND.NP(I+1).LT.D.D) GO TO 56  CONTINUE  ISIGNET ISIGNET ST.SE.ST  LWT=15IGNET	A 1900 A 8810 A 8810 A 8810 A 8870 A 8870 A 8870 A 8870 A 9870 A 9910 A 9910
ccc	39 40 41 42 1 1	F (WZE.EG.1) GO TO A2  CORPECT SURFACE QUANTITIES AT ZETA=0  EDSISEN=1.E-06  TERM!=!1+2-/((GAMMA-1.)*STMACH**2)1/AASTSO  TERM!=!1+2-/((GAMMA-1.)*STMACH**2)1/AASTSO  TERM!=!1+2-/((GAMMA-1.)*ASTSO)    SIGNET   SIGNET     SIGNET   SIGNET     SIGNET   SIGNET     Lefi=1  Lefi=1  Lefi=1  Lefi=1  Def Time   Signet     Sign	A3910 A3920 A3930 A3940 A3950 A3960 A3970 A3980 A3980 A4000 A4010 A4020 A4020 A4100 A4110 A4120 A4120 A4160 A4170 A4180 A4160 A4170 A4180 A4160 A4170 A4180 A4160 A4200	54 54 57 57 59 59	CALL LGRANGE (I.MP.*M_INES.NDEBUG.X(II).XI.U.XX.Y.DYDX)  UP(1)=CARTILLPTOY  IF (ISIGN.NF.SOC.AND.NTIMES.FG.1) GO TO 54  GO TO 58  DO 58 IELWTI.LPT  IF (PF.1).6F.G.1AND.(PF.(I+1).LT.0.0) GO TO 56  CONTINUE  ISIGNPIETCHN!  IF (ISIGN.SIGNH) 57.58.57  LWT]=I  ISIGNPIETCHN!  IF (ISIGN.SIGNH) 57.58.57  LWT]=I  ISIGN.SIGN.SIGNH) 57.58.57  LWT]=I  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGN.SIGNH  ISIGN.SIGNH  ISIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.  IF ((MT.FO.N) ISIGN.SIGN.  IF ((MT.FO.N) ISIGN.SIGN.SIGN.  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGN.SIGN.SIGNH  IF ((MT.FO.N) ISIGN.SIGN.SIGN.SIGN.SIGN.SIGN.SIGN.SIGN	A 1790 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 48910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 49910 A 50010 A 50

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PUNCH 152. (CROSSM(1).1=[.N)
71 PRINT 162
PRINT 164. UW.RHOW.SW.PORGAMW.UCW.VCW.WCW.VXW.VYW.VZW.PTOPTIW
PRINT 164. UW.RHOW.SW.PORGAMW.UCW.VCW.WCW.VXW.VYW.VZW.PTOPTIW
PRINT 164. UW.RHOW.SL.PORGAMW.UCW.VCW.WCW.VXW.VYW.VZW.PTOPTIW
PRINT 164. UW.RHOW.SL.PORGAMW.UCW.VCW.WCW.VXW.VYW.VZW.PTOPTIW
PRINT 164. UW.RHOW.SL.PORGAMW.UCW.VCW.WCW.VXW.VYW.VZW.PTOPTIW
IF (MPRINT.EQ.1.4ND.NPIV.EG.01 PRINT 159. (CPUI).151.N1
IF STEP - TOTAL NUMBER OF GOOD INTEGRATION STEPS
INTSTEP=INTSTEP-INTCNI
IF (MPRINT.NE.2) GO TO 73
IF (MME.2) GO TO 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A6100
A6110
A6120
A6130
A6140
A6150
A6160
A6170
A6180
                                GO TO 42
NP=NPHLO
ISIGN=500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A5220
A5230
A5240
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A5260
A5270
A5280
                         OMPLITE SPECIAL QUANTITIES FOR PRINTOUT

P DO AR ITIN

IF (FFTA-ED-0-) FTA(1)=0.0

COMISSING (FTA(1))

COM
                                     COMPLITE SPECIAL QUANTITIES FOR PRINTOUT
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45300
45310
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A6210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A6220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPLITE FORCE AND MOMENT COFFFICIENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A6250
A6260
A6270
A6280
A6290
A6300
A6310
A6320
A6330
A6340
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73 FF (NCOUNT.NF.O) CO TO 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A5400
A5410
A5420
A5430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TESTS FOR CONVERGENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IN THE LONGING HOME

OF A [=1:N]

IF (ABSTEUNI(1-4))

IF (ABSTEUNI(1-4))

IF (ABSTEUNI(1-4))

ONTIME

IF (CYCLE-FO-):AND, WAX.GT.VTEST) GO TO 102

IF (CYCLE-GT-1:AND, WAX.GT.VTEST) GO TO 102

IF (WAX.LE.VTEST) GO TO 75

IF (WCYCLE-GT-1:AND, WAX.GT.VTEST))

NSKIP=1

IF (CYCLE-GT-1:AND, WAX.LT.VTEST))

NSCIPNTEDPINT=1

IF (CYCLE-GT-1:AND, WAX.LT.VTEST)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A5440
A5440
A5460
A5460
A5480
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KCOUNTEKCOUNTE!

IF (W=G0.7) GO TO 100

IF (W=G0.7) GO TO 101

NCNVOCSNCWVGG+1

IF (WNE:1) GO TO 78

IF (W=G0.ANN)*MLD.FC.O) GO TO I
                           VVL=17*IE.
V7L=37*IE.
V7L=37*IE.
V7L=37*IE.
V7L=37*IE.
V7L=17*IE.

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THE (PARAMEDO-PARAME) GO TO I
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                                MAIN PRINTOUT
VAIN POINT(INLINFP).LPRINT.ZFTA.DZETA.NP.NPLOT.NZETA)

1F (ZFTA-LE.O.O.AND.IPRINT.FO.Z.AND.PARAM.NE.PARAME) GO TO 69

66 IF (EUNCI.1).LE.O.I. GO TO 69

CALL RYNWIT: (DZETA.WP)

IF (MORPO.O.O.) GO TO 105

IF (MORPO.O.O.) GO TO 105

IF (MORPO.O.O.) PRINT 146. INTENT.NEXTRAP

IF ((FUNILI.1).POPIN(1.1)).GE.O.) GO TO 68

DZETA.FUNILI.1)

DO 67 I=1.N

67 OFUNILI.1.PZFTA

68 CONTINUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPLITE, NEW PARAM AND CORRESPONDING ETAS (DEPENDS ON NUMBER OF CONVERGED SOLUTIONS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF (MCNNRG.FG.1) GO TO 79
|F (MCNNRG.FG.2) GO TO 82
|F (MCNNRG.FG.3) GO TO 91
79 DARAHIPARAM
| NO 80 |FELN|
|R FTAS(1) = FTAS(1)
|A] PARAMEDARAM|+DPRAM|
|GO TO 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            45810
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RO TAS, (1) FETAS(1)

R1 PARAW-DARAW (A) PAPAW (O TO 132

R2 NO P3 [ F1, Y]

R3 FTAS, (1) FTAS(1)

R3 FTAS, (1) FTAS(1)) + GT+1+5-05) GO TO 85

R4 CONTINUP

GO TO R3

R5 PARAW-DARAW (PARAM-PARAM2) (PARAM-PARAM2)

COEFFE (PARAW-PARAM2) (PARAM-PARAM2)

COEFFE (PARAW-PARAM3) (PARAM2-PARAM1)

R5 R5 (PAS, (1) + COEFFE (PARAW-PARAM3)

R6 R5 PAS, (1) + COEFFE (PARAM3)

R6 R5 PAS, (2) + COEFFE (PARAM3)

R7 R5 PAS, (2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A6750
A6760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A6770
A6780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A6790
A6800
A6810
A6820
A6830
A6840
A6850
A6860
                              COMPLITE PRESSURE COFFEIGIENT AT SURFACE
69 00 70 1=1.N

CP(1)=2+*(F(N)(1-3)-1./(GAMMA*SIMACH**2))

CPAONY(1)3-CP(1)

70 COMTINUE

1F (NPENT-NF-2) CO TO 72

IF (NPEOT-FO-0) CO TO 71
                                IF THIS IS A PRINT RUN AND PLOTTING IS DESIRED - PUNCH CARDS
                              PINCH 135, NZFTA
PUNCH 159, (XBAP(1),[=1,N]
PUNCH 152, (YBAP(1),[=1,N)
PUNCH 152, (YBAP(1),[=1,N)
PUNCH 152, (DPODY(1),[=1,N)
PUNCH 152, (DPODY(1),[=1,N)
PUNCH 152, (WII),[=1,N)
PUNCH 152, (WII),[=1,N)
PUNCH 152, (MHI),[=1,N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A6050
A6070
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A6980
A6990
A7000
A7010
A7020
A7030
A7040
A7050
A7060
A7070
A7080
                                                                                                                                                                                                                                                                                                                                                                  IF (MPRINIEDILIAMINAPINITATI) MENTI 1534 ACCUMITATIONAL TOTAL TOTA
                                                                                                                                                                                                                                                                                                                                            ć
                                                                                                                                                                                                                                                                                                                                                                     NSKIREL IS THE MODIFIED NEWTON METHOD (D(I.J) NOT RECOMPUTED)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 7960
4 7970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A7970
A7980
A7990
A8000
A8010
A8020
A8030
A8040
A8060
                       OFFE 1 = (PARAM-PARAM2) * (PARAM-PARAM3)/((PARAM1-PARAM2) * (PARAM1-PARA
                                                                                                                                                                                                                                                                                                                                                  DECREASE PARAM INCREVENT AND RESTART FROM LAST CONVERGED SOLUTION
                    MT);
COFFF2=(PARAM-PARAM1)*(PARAM-PARAM3)/(PARAM2-PARAM1)*(PARAM2-PARA
           · [M3])
COFFED::(PARAM-PARAMI)*(PARAM-PARAMZ)/((PARAM3-PARAMI)*(PARAM3-PARA
      A8070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               48080
48090
48100
                                                                                                                                                                                                                                                                                                           A7220
A7230
A7240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABI 10
ABI 10
ABI 20
ABI 40
ABI 50
ABI 60
ABI 70
ABI 80
ABI 90
100 BRINT 148

DRINT 136. STWACH.GAWMA.T.THETAD.ALPHAD
BRINT 141. FSS.GOV
BRINT 137. N.M.NBRAD.NSDACE.NP.NCNVRG
BRINT 136. VTEST.VTEST1
IF (#2E+FG.) BRINT 180. MPE
IF (#2E+FG.) BRINT 179. MPE.TU
BRINT 150. SLOBE.KTRANSF
PRINT 153. KCOUNT.VMAX.EPSIG.SPACER.VMXTEST
                                                                                                                                                                                                                                                                                                          A7250
A7260
A7270
A7280
A7390
A7310
A7320
A7330
A7340
A7350
A7360
A7370
A7390
A7390
A7400
A7410
                                                                                                                                                                                                                                                                                                                                                     GO TO BE
                                                                                                                                                                                                                                                                                                                                                                      A8200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A8210
A8220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A8230
A8240
A8260
A8260
A8270
A8280
A8290
                  IF CIPRINT. EQ. 2. AND. PARAM. NE. PARAME PRINT OUT ONLY AT ZETA=0
                  IF (IPRINT-FO-2-AND-PARAM-NE-PARAME) GO TO 37
                                                                                                                                                                                                                                                                                                                                                                    PEGIN FTAS(1) VARIATION
                 COMPLETE PRINT OUT FROM ZETA=1 TO ZETA=0
                                                                                                                                                                                                                                                                                                                                                     111 ETAS(J+1) = ETAS(J+1) + (1.+EPS(VAR)
                 GO TO 103
                                                                                                                                                                                                                                                                                                                                                   112 J=J+1 .
IF (N+NE+1) 60 TO [13
                                                                                                                                                                                                                                                                                                         A7420
A7440
A7440
A7460
A7460
A7470
A7480
A7490
A7500
A7510
A7520
A7530
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A8310
A8320
A8330
A8340
A8350
A8360
A8360
A8390
A8400
A8410
                 HEADING PRINTOUT FOR MEZ HODY
              CONTINUE

CONTINUE

RINT 138, N.M., NREAD.NSPACE.NP.NCNVRG

RRINT 138, N.M., NREAD.NSPACE.NP.NCNVRG

RRINT 136, NAMA.NR., GNR

RRINT 136, STAMEC. GAMMA.T. THETAD.ALPHAD

RRINT 136, PSSIG.PSSIGN.SPACER.REDS, VAR.EPSINT

RRINT 136, VEST.VEST.

RRINT 150, VIEST.VEST.

RRINT 150. SLOBE.KTOANSE

RRINT 150. KCOUNT.VMAX.EPSIG.SPACER.VMXTEST

RRINT 140

LPRINT 22

CALL PRINT (NLINEPI:LPRINT.ZETA.DZETA.NP.NPLOT.NZETA)
                                                                                                                                                                                                                                                                                                                                                                     COMPLITE DETA FOR TAYLOR-MACCOLL
                                                                                                                                                                                                                                                                                                                                                                      DETA(1)*EPSIVAR*ETASO(1)/(1.~F(IN(1.4)/V0(1))
                                                                                                                                                                                                                                                                                                                                                    DE FACE | Three | VARAGE | HOLLE | VALUE | VAL
                                                                                                                                                                                                                                                                                                                                                                     COMPLITE FLEMENTS OF JACOBIAN MATRIX
                                                                                                                                                                                                                                                                                                                                                    DO 114 |=1.N

Off-Jj=(FUN(1-4)-VO(1))/(EPSIVAR*ETASO(J))

HMCho((1-J)=n(1-J)

$14 CONTINUE

IF (J=EQ+N) GO TO 11=

GO TO 21
                                                                                                                                                                                                                                                                                                         A7540
A7550
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A7680
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A7670
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                                                                                                                                                                                                                                                                                                                                                                     SECTION TO PREPARE AND SOLVE D(1.J) MATRIX
                                                                                                                                                                                                                                                                                                                                                    115 CONTINUE
116 NO 117 I=1N
117 B(I.)]=-VO(1)
15 (VSKIP.EQ.O.) GO TO 120
15 (VSKIP.EQ.O.) GO TO 120
15 (VSKIP.EQ.O.) PRINT 176
NO 119 I=1N
10 118 J*1N
                 IF (IPRINT.EQ.2.AND.PARAM.NE.PARAMEIPRINT OUT ONLY AT ZETA=0
                 IF (IPRINT.FO.2.AND.PARAM.NF.PARAME) GO TO 37
                 COMPLETE PRINT OUT FROM ZETA+1 TO ZETA+0
                                                                                                                                                                                                                                                                                                           47680
47690
                                                                                                                                                                                                                                                                                                                                                  00 118 J=1.N
118 J=1.N
118 J=1.N
118 J=1.N
118 D(1-1-)=DMCD(11-J)
1F (NDEBUG=E0-G) PRINT 175. (D(1-J)-1.N)-B([-1])
19 CONT INUE
10 D0 123 I=1.N
SOSUM=0.
D0 121 J=1.N
SOSUM=0.SOST(1-J)=0.2
121 CONT INUE
TEMP=SORT(SOSUM)
D0 122 J=1.N
122 D(1-J)=0(1-J)-TEMP
R(1-1)=0(1-J)-TEMP
R(1-1)=0(1-J)-TEMP
123 CONT INUE
                                                                                                                                                                                                                                                                                                         A7700
A7710
A7720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              48580
48590
                 VARIATION OF SHOCK DISTANCE FOR NEWTON-RAPHSON COMPUTATION OF SHOC NCOUNT - COUNTER OF PIVOTAL AND VARIATION INTEGRATIONS NCOUNT =1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A8600
A8610
A8620
A8630
A8640
A8650
A8660
A8660
A8660
                                                                                                                                                                                                                                                                                                         A7730
A7740
A7750
A7760
A7770
A7780
A7790
A7810
                NCOUNT=NCOUNT+1
KCOUNT=KCOUNT+1
NPIV=NPIV+1
IF (NCOUNT-GT-1) G0 TO 112
                 PIVOTAL RUNS
103 D0 104 T=1.N

VO(1)=FUN(1.4)

JF (1)=EG2.) VMAX=ABS(VO(1))

IF (ABS(VO(1))=CT-VMAX) VMAX=ABS(VO(1))

104 ETASO(1)=ETAS(1)
                                                                                                                                                                                                                                                                                                                                                     123
                                                                                                                                                                                                                                                                                                                                                                   CONTINUE
CALL SIMEO (D.N.B.) - OFTERM-IPIVOT-NMAX-ISCALE)
PRINT 177- DETERM
IF (DETERM-LT-0-0-AND-DPRAM-EO-DPRMIN) GO TO 75
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IF (ORTERMAGE-0-0) on 10 128
IF (MONYGG-E0-0) $100 6666
IF (MONYGG-E0-1) GD 10 124
DADVINDADAN-DEDBAM
DEDBAM-DEDBAM
DEDBAM-DEDBAM
DEDBAM-DEDBAM
DEDBAM-DEDBAM
DEDBAM-DEDBAM
DEDBAM-DEDBAM
DEDBAM-DEDBAM
DEDBAM-DEDBAM
IF (MONYGG-E0-2) GD 10 87
IF (MONYGG-GF-3) GD 10 98
IP (MONYGG-GF-3) GD 10 98
IP (DT 124
IP (DT 124
IP (DT 125
IP (DT 126
IP (D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16.8.2%-6HPT1ME=E16-8/)
179 FORMAT (/SH M2F=15-2%-3HTU=E16-8/)
182 FORMAT (/SH M2E=15/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A8740
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**COMMON F(3)+0F(3)+0F(3)+0F(3)+0F(3)+0F(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0B(3)+0
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140
150
160
170
180
200
210
220
230
240
250
                120 PRINT 150. (DETA(1).12).N

JEC

NCVC1 F=NCVCLE+1

NCVMTS0

NP1VE0

DO 141 (#1.N

131 ETAS(1)=ETAS(1)+DETA(1)

CO TO 21

132 CONTINUE

CO TO 1

133 CALL DAYIM (IDATE)

PRINT 169. IDATE

STOP 0101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A8940
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          134 FORWAT (RF14.8)
135 FORWAT (1614 1446H-E14.8)-2x.6HGAMMA*E16.8.2x.2HT=E16.8.2x.7HTMETAD=
136 FORMAT (1614 1446H-E14.8)-2x.6HGAMMA*E16.8.2x.7HTMETAD=
137 FORMAT (3H N-12.2x.2H*=11.2x.6HNREAD=11.2x.7HNSPACE=11.2x.3HNP*12.
12x.7HHCNNRGAT (3H N-12.4x.2H*=11.2x.6HNREAD=11.2x.7HNSPACE=11.2x.3HNP*12.
138 FORMAT (4H1/2)
139 FORMAT (4H1/2)
141 FORMAT (2H FPS.160M=E16.8)
142 FORMAT (11146.17/(3E16.8))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BODY SELECTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1F (M.FO.A) GO TO 1
| 10.3 FORMAT (|X:2M|=14.2Y,SMU(|)=E16.8.2X.SMP(|)=E16.8.2X.SMP(|)=E16.8. | A9|80 | A9|90 | A9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               # 410
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tay 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NINT=1
NOUAD=1
F(1)=0+0
F(2)=0+0
DS=+01*AB
DF(1)=DS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               B 630
B 640
B 650
B 650
B 680
B 680
B 790
B 720
B 740
B 740
B 740
B 740
B 750
B 760
B 760
B 760
B 780
B 810
B 810
B 820
B 820
B 840
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INTEGRATION UVER AU - MORROWS A
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B1730
B1740
B1750
B1760
B1760
B1760
B1800
B1810
B1810
B1820
B1830
B1840
B1850
B1860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NF=3
NINT=2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NINT=2
NOUMD=2
NSTED=2
INTIG=40
IF (MSPACE_EG.2) DXI=AN/FLOAT(INTIO)
IF (MSPACE_EG.2) DXI=AA/FLOAT(INTIO)
IF (MSPRUG_EG.0) PRINT 49. DXI
XI(1)=0.0
IF (MSPERITURE OF THE MSPERITURE OF THE MSPER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           F(1)=X(1)

F(2)=X0(1)

F(3)=Y0(1)

FF(1)=N1

IF (#2E+FG.1) GO TO 21

NO 20 12-2N

NO 17 1=2-100000

CALL DERLY (MINITANCHANGE-NDEBUG-T.AB+F.DF-NF-XOO-XIM-SLOPE-BSLP-AS

ILL. BUNCUT (MINITANCHANGE-NSTEP-NDEBUG-T.AB+F.DF-FC-DFC-NXI-AB1-AB

12-AB1-AB0-NH-EPS1GON-MONDAN-XOO-XIP-SLOPE-SSLP-ASLP)

IF (MDFBUG-EO-A) PPINT 43. 1-F(1)=F(2)+F(3)

IF (AB5-FC(1)=X1(12)-LE-1-F-10) GO TO 18

IF (AB5-FC(1)=X1(12)-LE-1-F-10) GO TO 18

IF (AB5-FC(1)=X1(12)-LE-1-F-10) GO TO 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B1870
                                                   F(1)=CHECK2
DS=+01#AB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B1000
B1010
                                                      DF (1)=DS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     B1020
                                            GO TO 6

OS==[1]

CONTINUE

IF (WZE+F0:1+AND+NTIVES+E0+1) TAUL=TAUN1

IF (WZE+G0:1+AND+NTIVES+E0+2) TAUU=TAUN1

TAU(N)=2+*TAUN1

TAU(N)=2+*TAUN1

TAU(N)=2+*TAUN1

TAU(N)=10+*TAUN1

TAUN=TAU(N)

GO TO (8+9+10)+ XTRANSF

TAUR=0+*TAUR

RSLD=1TAUR

RSLD=1TAUR

RSLD=1+*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B1040
B1050
B1060
B1070
B1090
B1100
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B1110
B11130
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B1150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF (ABS(F(1)+F(1)+F(2)+F(2)) | F(2)+F(2) | F(2) | F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B2010
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R2080
                                                         ASLP=1.
XINI=TAUNI
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TAMPATAUNI
XIPZ**,**TAMPZ*(Z**SLOP**),
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B1190
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20 CONTINIE
60:T0.3!
21 NO.30 [22*N
10.27 
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B2250
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H2280
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62370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IF (=(1)+0F(1)+0

A NCHANGE-2

DXI=DXI=XI | H_L

DE(1)=DXI

T=TI)

60 To 22

50 DXI | H_L=(1)

DE(1)=DXI

A DXI | H_L=(1)

DE(1)=DXI

CO TO 22

CONTINUE

DY | DXI | H_L

XO (17)=F(1)

XO (17)=F(2)

YO (17)=F(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B1500
B1510
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92600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                XO(17)=F(2)
YO(17)=F(2)
YO(17)=F(3)
FF (HDPHUG-F0.0) PRINT 44: [7-XL(17)-XO(17)-YO(17)-DF(1)-1]
FF (HDPHUG-F0.0) PRINT 43: YCHANGE-DXI-T
FF (HBS(Y)(17)-XLL)-AT-1-F-10) GO TO 29
NGHANGE-T
T=TI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08619
09618
                                                   CIRCHEAR AND ELLIPTIC CONF - COMPUTATION OF XO(1)
INTEGRATION OVER XI - NINT=2.VARIABLE STED SIZE - NSTEP =2
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	29 IF (NCHANGE-FO-1.AND.F(1)+DF(1)+GT-XIL) DX1=XIL-F(1)	92610	1LP1	C 5eJ
	29 IF (NCHANGE.FO.1.AND.F(1)+DF(1).GT.XIL) DXI=XIL-F(1) IF (NCHANGE.EO.1.AND.F(1)+DF(1).LT.XIL.AND.485(XIL-F(1)-DF(1)).LT.	98650	nn 4 1=2+NF	C 260
	11.5~10) Dx1=X1L-F(1)	0£65B	4R2(()=PS+AF())	C 270
	DE (1 j=DX)	92640	4 F(1)=F((1)+AP2(1)/2+ (F (NCFBUG.FG.O) PRINT 13+ ((+AB2(1)+F(1)+(=1+NF)	C 280
	IF (MDERUG.FG.n) PRINT 49. DXI	82650 32660	CALL DERIV (NINT-NCMANSE-NDEBUG-T-AB-F-DF-NF-XOU-XIX-SLOPE-USLP-AS	C 300
_	TO CONTINUE	92670		C 310
è	GEOMETRIC PARAMETERS FOR CIRCULAR AND ELLIPTIC CONES	82680	1LP) 00 5 1=2+NF	C 32^
÷	GEOMETRIC PARAMETERS FOR CIRCULAR AND FELTIPITE CONES	P2690	A93(1)=D5*DF([)	C 330
	31 1F (WCEBUG+F0+1) GO TO 33	92700	5 F(1)=F0(1)+APO(1)	C 340
	DO 32 1=1+N	82710	F(1)xFC(1)+D5	0.350
	32 PRINT 40: [+XI(I)+X0(II+Y0(I)+TAU(I)	82720	IF (NDEBUG.FO.O) PRINT 14. (1.483(1).F(1).T=1.NF)	C 360
	33 NO 35 151+N	B2730	CALL DERTY (NINT. NCHANGE . NDFHUG. T. AB. F. DF . NF . XOO . XIX . SLOPE . BSLP . AS	C 370
	IF (M2F.FQ.A) 60 TO 34	B2740	1(9)	C 380
	IF (VICI)+LF+XIL) T=TL	R2750	00 6 1=2+NF	C 390
	IF (y)(I).GT.XIL) TETU	82760	A94(1)=D5+DF(1)	C 400
	34 GX([]=2,*T#*2*XO([)	B2770	6 F([]=FC([]+1./6.*(AB)([)+2.*AB2([)+2.*AB3([)+AR4([))	C 410
	GY([1=2,*Y()[])	P 2780	<pre>IF (NCFBUG.53.0) PRINT 15. (1.484(1).F(1).f=1.NF)</pre>	C 420
	GXY(†)=>.#T**?	B2790	IF (NSTEP+FQ+1) RETURN	C 430
	GYY(1)=2.	82800	IF (NOUAD.EQ.1.4NO.F(1).LT2*A□) RETURN	C 440
	GXY(1)=0.0	B5810	00 7 [=2.NF	C 450
	<pre>IF (NDEBUG.FG.0) PRINT 45. I.GX([].GY([].GXX([).GYY([).GXY([).</pre>	B2820 .	IF (NGUAD.FG.2.AND.APS(AB2(I)/DS).LE.1.F-06) GO TO 7	C 460
	35 CONTINUE	92830	IF (NQUAD-EQ-1-AND-ARS(ABI(1)/DS)-LE-1-E-96) 50 TO 7	C 470
	36 IF (WaFOan) LIMITIE!	B2840	IF (NGUAD+60+1+AND+ARS(AB4([)/DS)+LE+1+F+05) GO TO 7	C 480
	IF (W.NE.C) LIMITEN	B2850	IF (MQUAD.FQ.2) TEST=ABS(1AB3(1)/AB2(1))	C 500
	00 37 1=1+LIMIT1	F.2860	IF (NQUAD-EQ-1) TEST=AdS(1+-Ad)(1)/Ad4(1))	2 512
	A1([)=1++x0([)##2+YO([)##2	32870	IF (1.FO.2) TESTMAX=TEST	C 520
	A4 ([)=x0(1)*Gx(1)+Y0(1)*GY(1)	92880	IF (TEST-GT-TFSTMAX) TESTMAX=TEST	C 530
	A2(1)=GX(1)**2+GY(1)**2+44(1)**2	92890 90958	7 CONTINUE IF (TESTMAX.GE.EPSIGOM.AND.ABS(DS).GT.DSMIN) GO TO 8	C 540
	45 (1) = GY (1)+YO(1) + 14 (1)		TESTMAX.G. = PSTGOW = AND HOST = GITOS MIN TO TO B	C 550
	A6(1)=GX(1)+X0(1)+A4(1)	B2910	IF (TESTMAX.LE.(.)*FDSISOM)) GO TO 9	C 560
	A7(1)=X0(1)*GY(1)-Y0(1)*GX(1)	B2930	9 DS=+6*DS	C 570
	AB(1)=GY(1)**2*GXX(1)+GX(1)**2*GYY(1)-2.*GX(1)*GY(1)*GXY(1)	B2940	60 TO 2	0.580
	AKB( )=-AB( )*(A)( )/A2( ))**1.5	82950	9 IF ((1.9+DS).GT.DSMAX) RETURN	C 590
	PSIp(1)=57.29577951*ATAN2(YO(1)*XO(1)) O(1)=1.0	92960	NS=1.9*NS	C 600
	ΩP(1)=0.0 ΩP(1)=0.0	B2970	0F(1)=0S	C 610
	IF (NDEBUG-E0-0) PRINT 41	B2980	RETURN	C 522
	IF (NDEBUG.EQ.O) PRINT 42. A1(1).A2(1).A3(1).A4(1).A5(1).A6(1).A7(	82990	e a company of the co	C 632
	11)+48(1)+6K8(1)+GX(1)+GY(1)+PSID(1)	83000	· ·	C 640
	37 CONTINUE	#301C	10 FORMAT (7H RUNKUT/14.8E16.8)	C 650
	1F (+2F.FD.1) T=TL	F3020	11 FORMAT (4H DS=516.8)	C 660
	RETI ION	83030	12 FORMAT ()X+2H =15+2X+6HB1(!)=E16+8+2X+5HF(!)=E16+8)	C 670
_		83040	13 FORMAT (1X+2H)=15+2X+6HB2(1)=E16+8+2X+5HF(1)=E16+8)	C 680
	•			
			•	
	•		•	
	•		·	
ċ	28 F00h. 1	B3050	14 FORMAT ( X.2M(=15.2X.6MR3( )=E16.8.2X.5MF( )=F16.8)	C 690
ć	38 FORMAT (6H XI([])/(AF16-8)) 39 FORMAT (6H XI([])/(AF16-8))	B3060	15 FORMAT (1X+2H1=15+2X+6HB4(1)=F16+8+2X+5HF(1)=F16+8)	C 700
ć	39 FORMAT (5x+5HX1(1)+17x+6HX1(NA)+10X+6HX1(NB)+10X+4HX[N1+11X+5HX1(N	B3060 B3070	IS FORMAT ( X.2H ± 5.2X.6HB4(1)=E16.8.2X.SHF(1)=E16.8) FND	C 700
ċ	39 FORMAT (5x.5HX1(1).12x.6HX1(NA).10x.6HX1(NB).10X.4HX1N1.11X.5HX1(N 1).11x.5HTAUN1.12X.6HTAU(N)/7E16.8)	83060 83070 83080	IS FORMAT ()x-2Hj=15-2x.6HR4(1)=F16-8-2x.5HF(1)=F16-8) FND SUBROUTINE DERIV ININT-NCHANGE-NDEBUG-7-AB-F-OF-NF-X00-X1R-5LDPE-B	C 700 C 710 9 10
ć	39 FORMAT (5x,5MX!(1),12x,6MX!(N)),10x,6MX!(NB),10x,4MX!NI,1]1,5MX!(N 1)+11x,5MTAUNI+12x,6MTAU(N)/7E16+8 40 FORMAT (3H I=15,2x,6MX!(I)=E16+8,2x,6MX0([)=E16+8,2x,6MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2x,4MY0([)=E16+8,2	83060 83070 83080 83090	15 FORMAT ( X.2H ± 5.2X.6H84(1)=F16.8.2X.5HF(1)=F16.8) FND	C 700 C 710 9 10 0 20
ċ	39 FORMAT (5% 54% [(1):]2% OHX[(NA):]0% OHX[(NJ):]0% OHX[NI:]1% 54% I(N 1):[1% 55HAUN1:]2% OHX[(NA):77E]6.8 40 FORMAT (3H [1:5:2% OHX[([):E]6.8] .2% OHX0([):E[6:8:2% OHX0([):E[6:8] 1-2% -1114U[1:E[6:8])	B3060 B3070 B3080 B3090 R3100	IN FORMAT ( X*2H = 5*2X*6HB4( )=F16*8*2X*5HF(!)=F16*8) FND SUBROUTINE DERIV ININT*NCHANGE*NDEBUG*T*AB*F*0F*NF*X00*X}R*5LOPE*B 15LP*ASLP) C.	C 700 C 710 9 10 0 20 0 30
ć	39 FORMAT (5X.9HX!(1)-[2X.6HX!(NA):10X.6HX!(NB):10X.4HX!NI:1]:X.5HX!(N 1):1]X.5HXAUNI:12X.6HXAU(N)/7E]6.8) 40 FORMAT (3H  =15.2X.6HX!(1)=E]6.8;2X.6HX0([)=E]6.81.2X.6HY0([)=E]6.8 1.2X.*HTAU(1)=E]6.8) 41 FORMAT (3H A!(15F.c.)	B3060 B3070 B3080 B3090 B3100 B3110	IN FORMAT (IX-24)=15.72x.6484(1)=16.8.7Xx5H=(1)=F16.8) FNO SUBROUTINE DERIV ININT-NCHANGE-NDEBUG-7.ABF-F-0F-NF-X00-X)H-5LOPE-8 1SLP-NSLP) C C COMMITTE DERIVATIVES FOR BODY GEOMETRY INTEGRATION	C 700 C 710 9 10 0 20 0 30 D 40
ċ	39 FORMAT (SX.5MX1(1):[2X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:]1X.5MX](N 1):11X.5MX[NI:]10X.6MX1(N):[216.4 40 FORMAT (3H   F:15:2X.6MX1(1):F:10.8;2X.6MX0([):E:16:H:2X.6MY0([):E:16:B 1-2X.**HIAUTI:F:16.B) 41 FORMAT (13M A1(1):F:16.) 42 FORMAT (13M A1(1):F:16.)	B3060 B3070 B3080 B3090 B3100 B3110 B3120	IN FORMAT (IX-AHI=15-2X-6HRA(I)=F16-8-7X-5HF(I)=F16-8) FNO SUBROUTINE DERIV ININT-NCHANGE-NUERUG-11-AB-F-0F-NE-X00-X1H-5LOPE-B 1SLP-ASLP) C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION C	C 700 C 710 9 10 D 20 D 30 D 40 D 50
ć	39 FORMAT (SX.5MX)(1)-[2X.6MXI(NA)-10X.6MXI(NB)-10X.4MX[NI-1]X.5MX](N 1)-1]X.5MX.5MXJ(N 1)-1]X.5MX.6MXJ(N 40 FORMAT (3H [=]5.2X.6MX](1)=E10.8C.2X.6MXO([)=E16.8C.2X.6MYO([)=E16.8 1.2X.7MTAU(1)=F16.8) 41 FORMAT (1)M A[(]FFC.] 42 FORMAT (1)ME16.8B 43 FORMAT (1XE16.8B	B3060 B3070 B3080 B3090 B3100 B3110 B3120 B3130	IN FORMAT (IX-24)=15.72x.6484(1)=16.8.7Xx5H=(1)=F16.8) FNO SUBROUTINE DERIV ININT-NCHANGE-NDEBUG-7.ABF-F-0F-NF-X00-X)H-5LOPE-8 1SLP-NSLP) C C COMMITTE DERIVATIVES FOR BODY GEOMETRY INTEGRATION	C 700 C 710 9 10 0 20 0 30 D 40
ċ	39 FORMAT (5X.5MX1(1).12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:11X.5MX](N 1):11X.5MX1M1.12X.6MX1(N):7216.e)  40 FORMAT (3H   F15:2X.6MX1(1):F16:H:2X.6MX0(1):E16:H:2X.6MY0(1):E16:B 1-2X.**HIAUT1:F16:H0.1 41 FORMAT (10H A1(1):F1C.) 42 FORMAT (1XEE):A) 43 FORMAT (1XEE):A) 43 FORMAT (1XEE):A:B) 44 FORMAT (4H   Z=15:ZX.**HX1(1Z):E16:H:2X.**HX0(1Z):E16:H:2X.**THY0(1Z):E	B3060 B3070 B3080 B3090 B3100 B3110 B3120 B3130	IN FORMAT (IX-2+1=15-2*.6+RA(1)=F16-8-7X-5HE(1)=F16-8) FNO SUBROUTINE DERIV ININT-NCHANGE-NDEBUG-11-AB-F-0F-NE-XOO-XIH-SLOPE-8 1SLP-ASLP) C COMPLITE DERIVATIVES FOR BODY GEOMFTRY INTEGRATION C DIMPMSION F(NF) - DF(NF) GO TO (1-5) - NINT	C 700 C 710 9 10 D 20 D 30 D 40 D 50 D 60
ć	39 FORMAT (SX.5MX1(1.12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:11X.5MX](N 1):11X.5MXTAUNI:32X.6MX1(1)=E16.8:2X.6MX0(1)=E16.8:2X.6MY0(1)=E16.8 1-2X-*HTAU(1)=F16.8) 41 FORMAT (10H A1(1)FTC.) 42 FORMAT (10H A1(1)FTC.) 43 FORMAT (1XJF1.6F16.8) 43 FORMAT (1XJF1.6F16.8) 44 FORMAT (4H 1Z=15.2X.7MX1(1Z)=E16.8.2X.7HX0(1Z)=E16.8.2X.7HY0(1Z)=E 116.8.2X.4MDF(1)=E16.8.2X.7HX1(1Z)=E16.8.2X.7HX0(1Z)=E16.8.2X.7HY0(1Z)=E 116.8.2X.4MDF(1)=E16.8.2X.7HX1(1Z)=E16.8.2X.7HX0(1Z)=E16.8.2X.7HY0(1Z)=E	B3060 B3070 B3080 B3090 B3110 B3110 B3120 B3120 B3140	IN FORMAT (IX-24)=15.72X.6484(1)=16.8.7X45H=(1)=F16.8) FNO SUBROUTINE DERIV ININT-NCHANGE-NDEBUG-7.ABF.F-0F-NF-X00-X)H-5LOPE-8 ISLD-XSLD) C C COMPLITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION F(NE). DE(NE) G0 TO (11-5). NINT 1 G0 TO (2-3). NCHANGE	C 700 C 710 D 10 D 20 D 30 D 40 D 50 D 60 D 70
ć	39 FORMAT (SX.5MX1(1).12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:1]XX.5MXI(N 1):11X.5MXI(NI):11X.5MXI(	B3060 B3070 B3080 B3090 B3190 B3110 B3120 B3130 B3140 B3150 B3160 B3170	IN FORMAT (IX-24)=15.72X.6484(1)=16.8.7XX.544E(1)=F16.8)  FNO SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NE.XOO.X)H.5LOPE.8  C COMMITTE DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION F(NE). DE(NE)  GO TO (1.5). NINT  1 GO TO (2.3). NCHANGE  2 FRIET*SORT(AB*2-F(1)**2)  GX12-XTT*28F(1)	C 700 C 710 D 10 D 30 D 40 D 50 D 70 D 70 D 90 D 100
ċ	39 FORMAT (5X.5MX1(1).12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:11X.5MX](N 1):11X.5MX1(N 1):11X.5MX1(N 1):11X.5MX1(1):1516.8  40 FORMAT (3M 18:15:2X.6MX1(1):E16.8;2X.6MX0(1):E16.8;2X.6MY0(1):E16.8  41 FORMAT (1M 14(1):F1C.)  42 FORMAT (1ME16.8)  43 FORMAT (1XE16.8)  44 FORMAT (1XE16.8)  45 FORMAT (1XE16.8)  45 FORMAT (1XE16.8)  46 FORMAT (3M:12X.6MX1(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.7MX0(12):E16.8;2X.6MX0(1):E16.8;2X.6M	B3060 B3070 B3080 B3080 B3100 B3110 B3120 B3120 B3140 B3150 B3160 B3170 B3180	IN FORWAT (IX-2H =15.2X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FND SUBRUITINE DERIV ININT-NCHANGE-NUEBUG-7.ABF-F-0F-NF-X00-X1H-SLOPE-B IS_D-ASLP)  C COMPLITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION [	C 700 C 710 D 10 D 30 D 40 D 50 D 70 D 60 D 70 D 90 D 100 D 110
ć	39 FORMAT (SX.5MX1(1).12X.6MX1(NA).10X.6MX1(NB).10X.4MX[NI.1]X.5MXI(N 1).11X.5MXI(N 1).11X.5MXI(N 1).11X.5MXI(N 1).11X.5MXI(N 1).11X.5MXI(N 1).11X.5MXI(N 1).11X.5MXI(N 1).11X.6MXI(N 1).11X.6MXI(1).1	B3060 B3070 B3080 B3090 B3190 B3110 B3110 B3110 B31140 B31160 B31160 B31170 B31180 B31190	IN FORMAT (IX-24)=15.7%.6484(1)=16.8.7X.5464(1)=F16.8)  FNO SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NE.XOO.X)H.5LOPE.8  C COMMITTE DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION F(NE). DE(NE)  GO TO (11-5). NINT  1 GO TO (2-3). NCHANGE  2 FRIET*SORT(AB*2-F(1)**2)  GX12-XT**2*F(1)**2.7  GX12-XT**2*F(1)**2.7  GX12-XT**2*F(1)**2.7  GO TO 4	C 700 C 710 D 10 D 30 D 40 D 50 D 70 D 80 D 100 D 110 D 110
ć	39 FORMAT (SX.5MX1(1).12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:11X.5MX](N 1):11X.5MX1(N1):11X.5MX1(N 1):11X.5MX1(N1):11X.5MX1(N1):11X.5MX1(N 40 FORMAT (3H 1=15:2X.6MX1(1):E16.8;2X.6MX0(1):E16.8;2X.6MY0(1):E16.8 41 FORMAT (1MA1(1):F1C.) 42 FORMAT (1ME16.8) 43 FORMAT (1XE16.8) 43 FORMAT (1XE16.8) 44 FORMAT (3H 12:15:2X.7MX1(12):E16.8;2X.7MX0(12):E16.8;2X.7MY	B3060 B3070 B3080 B3090 B3190 B3110 B3120 B3130 B3140 B3150 B3160 B3170 B3170 B3180 B3190 B3200	IN FORWAT (IX-2H =15.2%.6HB4(1)=16.8.7X.5HE(1)=F16.8)  FUN SUBROUTINE DERIV ININT-NCHANGE-NDEBUG-7.ABF-F-0F-NF-XOO-X)H-SLOPE-B  SLD-ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMFTRY INTEGRATION  DIMMAS[ON FUNE). DE(NF) GO TO (1.5-1) NINT 1 GO TO (2.31) NCHANGE 2 FRIET-SORT(ABE-8-FF(1)**2)  GX1=2.****2*FC(1)**  GX1=2.***1**2*FC(1)**2  GO TO A 3 XOOE].**15*GRIGA**2***2-F(1)**2)	C 700 C 710 D 10 D 30 D 40 D 50 D 70 D 80 D 90 D 100 D 110 D 110 D 110
ć	39 FORMAT (SX.5MX1(1),17X.6MX1(NA))10X.6MX1(NB):10X.4MX[NI:1]XX.5MXI(N 1):11X.5MXIAUNI;31X.4MX4(N)77216.e) 40 FORMAT (3H 1=15:2X.6MX1(1)=E16.8;2X.6MX0(1)=E16.8;2X.6MY0(1)=E16.8 1 FORMAT (10H A1(1)FIC.) 41 FORMAT (10H A1(1)FIC.) 42 FORMAT (1XE16.8) 43 FORMAT (1XE16.8) 44 FORMAT (1XE16.8) 45 FORMAT (1XE16.8) 46 FORMAT (1XE16.8) 46 FORMAT (1XE16.8) 46 FORMAT (3H 1=15.4) 46 FORMAT (3H 1=12.4) 46 FORMAT (3H 1=14.2X.6MX(1)=E16.8;2X.6MX(1)=E16.8;2X.7MX(1)=E16.8) 47 FORMAT (3H 1=14.2X.6MX(1)=E16.8;2X.6MX(1)=E16.8;2X.6MX(1)=E16.8) 48 FORMAT (3H 1=14.2X.6MX(1)=E16.8;2X.6MX(1)=E16.8;2X.6MX(1)=E16.8) 49 FORMAT (3H 1=14.2X.6MX(1)=E16.8;2X.6MX(	B3060 B3070 B3080 B3090 B3190 B3110 B3120 B3130 B3140 B3150 B3160 B3170 B3190 B3190 B320c B3210	IN FORMAT (IX.74)=15.7%. 6.004(1)=16.0.7%.5Hc(1)=F16.0)  FNO SUBROUTINE DERIV ININT.NCHANGE.NUEBUG.T.AB.F.OF.NE.XOO.X)H.5LOPE.0  C COMPLITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION F(NE). DE(NE)  GO TO (1.5). NINT  1 GO TO (2.3). NCHANGE  2 FRIET*SORT(AB*2-F(1)**2)  GX12-X*T**2*F(1)**2  GX12-X*T**2*F(1)**2  GO TO 4  3 XOO=1.7T*SORT(AB*2-X*T*2-F(1)**2)  FRIET*SORT(AB*2-X*T*2-F(1)**2)  FRIET*SORT(AB*2-X*T*2-F(1)**2)	C 700 C 710 D 10 D 20 D 40 D 50 D 60 D 70 D 70 D 100 D 110 D 110 D 110 D 110 D 110 D 110 D 110 D 110
ċ	39 FORMAT (SX.5MX1(1):12X.6MX1(NA):10X.6MX1(NB):10X:4MX[NI:11X:5MXI(N 1):11X:5MXI(N 1):11X:5MXI(1):11X:11X:11X:11X:11X:11X:11X:11X:11X:1	B3060 B3070 B3080 B3080 B3090 B3190 B3110 B3120 B3140 B3150 B3150 B3170 B3170 B3190 B3200 B3210 B3220	IN FORWAT (IX-2H =15.2X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FUN SUBROUTINE DERIV ININT-NCHANGE-NDEBUG-7.ABF-F-0F-NF-XOO-X)H-SLOPE-B 1S.P-ASLP) C COMPLIF DERIVATIVES FOR BODY GEOMFTRY INTEGRATION DIMPASION FUNF), DE(NF) GO TO (1.5-1) NINT 1 GO TO (2.3) NCHANGE GENER-SOOT(ABE-F-F) (1**2) GX12*-VT**2FE(1) Aliq:-F(1)**2+FF1**2 GO TO A 3 XOO=1.45SORT(AB**2***2-F(1)**2) FRI=T*SORT(AB**2-XOO**2) GX12*-VT*SORT(AB**2-XOO**2) GX12*-VT*SORT(AB**2-XOO**2) GX12*-VT*SORT(AB**2-XOO**2)	C 700 C 710 D 10 D 30 D 30 D 40 D 50 D 70 D 90 D 100 D 110 D 120 D 130 D 130 D 130 D 130 D 130 D 130
ċ	39 FORMAT (SX.5MX1(1).12X.6MX1(NA).10X.6MX1(NB).10X.4MX[NI.1]X.5MXI(N 1).11X.5MXIAUNI.32X.6MX1(I).2216.6  40 FORMAT (3H 1215.2X.6MX1(I).2216.6.2X.6MX0(I).226.6.8.2X.6MY0(I).2216.8  41 FORMAT (10H A1(I)FIC.).  42 FORMAT (1XE16.8).  43 FORMAT (1XE16.8).  43 FORMAT (1XE16.8).  44 FORMAT (1XE16.8).  45 FORMAT (3H 12.4.2.X.6MX(I).2216.8.2X.6MX(I).2216.8.2X.7MX0(IZ).2216.8.2X.7	B3060 B3070 B3080 B3080 B3090 R31100 B31100 B3120 B3120 B3150 B3150 B3150 B3170 B3180 B3190 B3200 B3210 B3220 B3220	IN FORMAT (IX.74)=15.7%. 6.004(1)=16.0.7%.504(1)=16.0.7%  FOR SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H.5LOPE.0  C COMPLITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION F(NE). DE(NE)  GO TO (1.5). NINT  1 GO TO (2.3). NCHANGE  2 FILET*500T(AB*2-F(1)**?)  GX12-x*T**2*F(1)  All=1.4F(1)**2*FF(1)**2  GO TO 4.500(1)**2*FF(1)**2  GX 12-x*T**2*F(1)  TRITE*500T(AB*2-XOO**2*F(1)**2)  GX 12-x*T**2*F(1)**3  GX 12-x*T**2*F(1)**3  ALS 11-4F(1)**2*FF(1)**3  GX 12-x*T**2*F(1)**3  ALS 11-4*F(1)**2*FF(1)**3  GX 12-x*T**2*F(1)**3  ALS 11-4*F(1)**2*FF(1)**3  ALS 11-4*F(1)**2*FF(1)**3  ALS 11-4*F(1)**2*FF(1)**3  ALS 11-4*F(1)**2*FF(1)**3	C 700 C 710 9 10 0 30 0 30 0 40 0 50 0 60 0 70 0 90 0 100 0 120 0 130 0 140 0 140 0 140 0 140 0 140
ć	39 FORMAT (SX.5MX1(1).12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:11X.5MX](N 1):11X.5MX1M1.12X.6MX1(I):E16.8;2X.6MX0(I):E16.8;2X.6MY0(I):E16.8 1-2X.*MIAUTI.2FE6.8;3 41 FORMAT (1MA1(1):F1C.) 42 FORMAT (1ME16.8) 43 FORMAT (1ME16.8) 43 FORMAT (1ME16.8) 44 FORMAT (1ME16.8) 45 FORMAT (1ME16.8) 46 FORMAT (1ME16.8) 46 FORMAT (3H 12-15-2X.7MX1(12):E16.8;2X.7MX0(12):E	B3060 B3070 B3080 B3090 B3190 B31100 B31100 B31100 B31100 B31100 B31100 B31170 B31170 B31170 B31190 B3210 B3220 B3220 B3220 B3220 B3220	IN FORWAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FNO SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H-SLOPE.B ISLP.ASLP) C C COMDITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIWENSION F(NE). DE(NE) GTT (1.51. NINT GTT (1.5	C 700 C 710 D 120 D 30 D 40 D 50 D 70 D 80 D 100 D 110 D 120 D 140 D 150 D 140 D 150 D 140 D 150 D 140 D 150 D 140
ć	39 FORMAT (SX.SMX1(1).12X.SMX1(NA).10X.SMX1(NB).10X.SMX1(N1).11X.SMX1(N1).1	B3060 BJ070 B3080 B3090 R3100 R3110 B31120 R3120 R3150 R3160 B3160 B3180 R3160 B3200 B3210 B3220 B3220 B3230 B3230 B3240	IN FORMAT (IX.74 = 5.7%.6484())=[16.8.7%.5HE( )=F(6.8) FNO SUBROUTINE DERIV ININT.NCHANGE.NUEBUG.T.ABF.F.OF.NE.XOO.X)H.5LOPE.B IS.D.ASLD) C COMPLITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION C DIMENSION F(NE). DE(NE) GO TO (1.5). NINT 1 GO TO (2.3). NCHANGE 2 FRIST*SORT(AB8-2-F(1)**?) GX122-x*T**2*F(1) A11=1.4F(1)**2*FR1**? GO TO A 3 XOO=1.7T*SORT(AB*-2*T**2-F(1)**?) FRIST*SORT(AB*-2*T**2-F(1)**?) GX122-x*T**2*FR1**? GX122-x*T**2*FR1**? GX122-x*T**2*FR1**? GX122-x*T**2*FR1**? A11=1.4XOO**2-4*FB1**? A11=1.4XOO**2-4*FB1**? A11=2.4*FR1 A11=2.4*FR1 A11=2.4*FR1 A11=2.4*FR1 A11=2.4*FR1	C 700 C 710 D 120 D 30 D 400 D 60 D 70 D 100 D 110 D 130 D 130 D 150 D 150 D 150 D 150 D 150
ć	39 FORMAT (SX.5MX1(1).12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:11X.5MX](N 1):11X.5MX1M1.12X.6MX1(I):E16.8;2X.6MX0(I):E16.8;2X.6MY0(I):E16.8 1-2X.*MIAUTI.2FE6.8;3 41 FORMAT (1MA1(1):F1C.) 42 FORMAT (1ME16.8) 43 FORMAT (1ME16.8) 43 FORMAT (1ME16.8) 44 FORMAT (1ME16.8) 45 FORMAT (1ME16.8) 46 FORMAT (1ME16.8) 46 FORMAT (3H 12-15-2X.7MX1(12):E16.8;2X.7MX0(12):E	B3060 B3070 B3080 B3090 B3110 B3120 B3120 B3150 B3160 B3170 B3170 B3180 B3200 B3200 B3220 B3240 C 20	IN FORMAT (IX-24)=15.2%.6484(1)=16.8.7X.5464(1)=16.8) FNO SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H-SLOPE.8 ISLP-ASLP) C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION F(NE). DE(NE) GO TO (1.5). NINT 1 GO TO (2.3). NCHANGE 2 FRI-T*SORTAGE*2-F(1)**2) GX12-X*T**2**F(1) A 121F(1)**2-FR1*-P 3 YOURS -X*T**2**F(1)**2 FRI-T*SORTAGE*2-X**2-F(1)**2 FRI-T*SORTAGE*2-X**2-F(1)**2 FRI-T*SORTAGE*2-X**2-F(1)**2 FRI-T*SORTAGE*2-X**2-F(1)**2 A 101X**1**2**4**2**4**2 A 11-1X**00**2-FB1**P A 11-1X**00**2-FB1**P A 11-2FF1 A 11-2FF	C 700 C 710 D 100 D 30 D 400 D 50 D 60 D 70 D 100 D 110 D 120 D 140 D 150 D 15
	39 FORMAT (SX.5MX1(1).17X.6MX1(NA).10X.6MX1(NB).10X.4MX[NI.1]X.5MXI(N 1).11X.5MXIAUNI.21X.4MX4(N).7216.e)  40 FORMAT (3H 1915.2X.6MX1(1).916.8.2X.6MX0(1).916.8.2X.6MY0(1).916.8  41 FORMAT (1M A1(1)FIC.)  42 FORMAT (1MA A1(1)FIC.)  43 FORMAT (1XB16.8)  43 FORMAT (1XB16.8)  44 FORMAT (1XB16.8)  45 FORMAT (1XB16.8)  46 FORMAT (1XB16.8)  46 FORMAT (1XB16.8)  47 FORMAT (1XB16.8)  48 FORMAT (1XB16.8)  48 FORMAT (1XB16.8)  49 FORMAT (3H 1914.2X.6MX(1).916.8)  40 FORMAT (3H 1914.2X.6MX(1).916.8)  47 FORMAT (3H 1914.2X.6MX(1).916.8)  48 FORMAT (3H 1914.2X.6MX(1).916.8)  49 FORMAT (3H 1914.2X.6MX(1).916.8)  50 FORMAT (3H 1914.2X.6MX(1).916.8)	B3060 B3070 B3080 B3090 B3190 B3110 B3120 B3120 B3150 B3160 B3170 B3180 B3200 B3200 B3220 B3220 B3220 C 10 C 20	IN FORWAT (IX-2H =15.2%.6HB4(1)=16.8.7X*5H4(1)=F16.8) FND SUBROUTINE DERIV ININT-NCHANGE.NUEBUG.T.ABF.F.OF.NF.XOO.XIH-SLOPE.B IS_D.ASLP)  C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION FINE). DEGINE 1 GO TO (1.51). NINT 1 GO TO (1.51). NINT 1 GO TO (1.51). NINT 1 GO TO (2.31). NCHANGE 2 FRI=T**SORT(ABF-2-F11)**2) GX1=2-**T**2-F8T(1)**2 GX1=2-**T**2-F8T(1)**2 GT TO A 3 XOOE1_**T\$ORT(ABF*2=T**2-F(1)**2) FRI=T**SORT(ABF*2=T**2-F(1)**2) FRI=T**SORT(ABF*2=XOO**2) GX1=2-**T**2-XOO GX1=2-**T**2-XOO**2) GX1=2-**T**2-XOO GX1=2-**T**2-XOO**2) GX1=2-**GAB**2**2 A1=0-**ABB**2**2 A1=0-**ABB**2**2**2 A1=0-**ABB**2**2**2 A1=0-**ABB**2**2**2 A1=0-**ABB**2**2**2 A1=0-**ABB**2**2	C 700 C 710 D 20 D 30 D 40 D 50 D 60 D 70 D 110 D 130 D 130
	39 FORMAT (SX.SMX1(1).12X.SMX1(NA).10X.SMX1(NB).10X.SMX1(N1).11X.SMX1(N1).1	B3060 B3070 B3080 B3080 B3190 B3190 B3190 B3190 B3190 B3170 B3170 B3180 B3210 B3210 B3220 B3240 C 20 C 30 C 40	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H.5LOPE.B ISLP.ASLP) C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION F(NE). DE(NE) GO TO (1.5). NINT 1 GO TO (2.3). NCHANGE 2 FRI-T*SORTIAGE*2-F(1)**2) GX102-X***2*F(1)**2 A1151.4F(1)**2-FR1**2 3 YOUSD.Y**SORTIAGE*2-F(1)**2 FRI-T*SORTIAGE*2-X**2-F(1)**2 FRI-T*SORTIAGE*2-X**2-X**2-X**2-X**2-X**2-X**2-X**2-X	C 700 C 710 D 100 D 20 D 30 D 50 D 60 D 70 D 100 D 100 D 100 D 100 D 140 D 140 D 140 D 140 D 150 D 140 D 150 D 140 D 150 D 140 D 150 D 150
	39 FORMAT (SX.5MX)(1),17X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:1]XX.5MX[NI 1):11X.5MX[NI:1]XX.6MX1(NI):216.6  40 FORMAT (3H 1915:2X.6MX1(1):916.8;2X.6MX0(1):916.8;2X.6MY0(1):916.8  41 FORMAT (1M A1(1):FIC.)  42 FORMAT (1ME16.8)  43 FORMAT (1XE16.8)  43 FORMAT (1XE16.8)  44 FORMAT (1XE16.8)  45 FORMAT (1XE16.8)  45 FORMAT (1XE16.8)  46 FORMAT (1XE16.8)  47 FORMAT (1XE16.8)  48 FORMAT (1XE16.8)  49 FORMAT (3H 1914:2X.6MX(1):916.8)  40 FORMAT (3H 1914:2X.6MX(1):916.8)  40 FORMAT (3H 1914:2X.6MX(1):916.8)  41 FORMAT (3H 1914:2X.6MX(1):916.8)  42 FORMAT (3H 1914:2X.6MX(1):916.8)  43 FORMAT (3H 1914:2X.6MX(1):916.8)  44 FORMAT (3H 1914:2X.6MX(1):916.8)  50 FORMAT (3H 1914:2X.6MX	B3060 B3090 B3090 B3090 B3190 B3110 B3120 B3140 B3150 B3170 B3170 B3190 B3220 B3220 B3220 B3220 B3220 B3240 C 20 C 30	IN FORWAT (IX-2H =15.2%.6HB4(1)=16.8.7X*5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NUEBUG.T.ABF.F.OF.NF.XOO.XIH-SLOPE.B IS_D.ASLP)  C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION FINE). DF(NF) GO TO (1.51). NINT 1 GO TO (2.31). NCHANGE C FRIETSORT(ABF-2-F11)**2) GX123-*T**25RF(1) Al1=1.4F(1)**2-FF11**2 GO TO 4 3 XOOE1.7T\$CORT(ABF*2*T**2-F(1)**2) FRIETSORT(ABF*2-XFOO**2) GX123-*T**2-XFOO**2) GX123-*T**2-XFOO**3 GX123-*T**2-XFOO**2) GX123-*T**2-XFOO**3 GX123-*T**3-XFOO**3 GX123-*T*	C 700 C 710 D 20 D 30 D 30 D 40 D 50 D 60 D 70 D 100 D 130 D 130 D 150 D
	39 FORMAT (SX.5MX1(1).12X.6MX1(NA):10X.6MX1(NB):10X.4MX[NI:11X.5MX](N 1):11X.5MX1(N1):11X.5MX](N 1):11X.5MX1(N1):11X.6MX1(N1):11X.5MX](N 40 FORMAT (3M 1=15:2X.6MX1(1):E16.8;2X.6MX0(1):E16.8;2X.6MY0(1):E16.8 41 FORMAT (1M 14(1):F1C.) 42 FORMAT (1ME16.8) 43 FORMAT (1XE16.8) 43 FORMAT (1XE16.8) 43 FORMAT (1XE16.8) 45 FORMAT (1XE16.8) 46 FORMAT (3M 12:45:24.6MX(1):E16.8;2X.6MX(1):E16.8;2X.7MX0(1Z):E16.8;2X.7MX(1Z):E16.8;2X.7MXY(1):E16.8;2X.7MXY(1):E16.8;2X.7MXY(1):E16.8;2X.7MXY(1):E16.8;2X.7MXY(1):E16.8;2X.6MXY(1):E16.8;2X.6MXY(1):E16.8;2X.6MXY(1):E16.8;2X.7MXY(1):E16.8;2X.6MXY(1):	B3060 B3070 B3080 B3080 B3190 B3110 B3120 B3120 B3150 B3170 B3170 B3170 B3210 B3220 B3220 B3240 C 20 C 30 C 40 C 40	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FNO SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H-SLOPE.B ISLP.ASLP) C COMPLIF DERIVATIVES FOR BODY GEOMFTRY INTEGRATION C DIMENSION F(NF). DF(NF) GO TA (1.5). NINT 1 GO TA (2.3). NCHANGE 2 FRI-T*50871481*2-F(1)**2) GX103-X***2**F(1)**2 A111F(1)**2-FR1**2 A111F(1)**2-FR1**2 A111F(1)**2-FR1**2 FRI-T*50871481**2-XOO**2) GX103-X**508F1(AB**2-XOO**2) GX103-X**508F1(AB**2-XOO**2) GX103-X**508F1(AB**2-XOO**2) GX103-X**508F1(AB**2-XOO**2) GX103-X**508F1(AB**2-XOO**2) GX103-X**508F1(AB**2-XOO**2) FX105-XOO**2-FB1**7 A21-CX_1**74**2**01 A111-X*XOO**2-FB1**7 A21-CX_1**2-XOO**2) FX105-XOO**2-FB1**7 A21-CX_1**2-XOO**2) FX105-XOO**2-YB1**7 A21-CX_1**2-XOO**2 A21-CX_1**2 A21-CX_1**2-XOO**2 A21-CX_1**2 A21-CX	C 700 C 710 D 20 D 30 D 40 D 50 D 60 D 70 D 100 D 110 D 120 D 140 D 140 D 140 D 140 D 140 D 140 D 140 D 140 D 210 D 210 D 220 D 220 D 220 D 220
	39 FORMAT (SX.5MX1(1),17X.6MX1(NA))10X.6MX1(NB):10X.4MX[NI:1]XX.5MXI(N 1):11X.5MXI(N 1	B3060 B3060 B3060 B3060 B3160 B3110 B3120 B3140 B3150 B3170 B3170 B3190 B320 B3220 B3220 B3220 B3220 B320 C 30 C 40 C 50	IN FORMAT (IX.7H =15.2%.6HB4(1)=[6.8.7X\6HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AF.F.OF.NF.XOO.X)H-SLOPE.B ISLD-ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  D (TO (1.5.1) NINT  1 GO TO (1.5.1) NINT  1 GO TO (1.5.1) NINT  1 GO TO (2.3.1) NCHANGE  C FRI=**SORT(ABE-2-F(1)**2)  GX1=2-************************************	C 700 C 710 D 100 D 30 D 40 D 50 D 70 D 100 D 100 D 100 D 150 D 15
	39 FORMAT (SX.5MX1(1),17X.6MX1(NA))10X.6MX1(NB):10X.4MX[NI:1]X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.6MXI(N 1)	B3060 B3060 B3060 B3090 B3100 B31100 B31120 B31130 B31130 B31130 B31160 B31160 B31160 B3200 B3210 B3220 C 300 C 300 C 400 C 400 C 600 C 700	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H.5LOPE.9 ISLP.ASLP) C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION F(NF). DF(NF) GO TO (1.5). NINT 1 GO TO (2.3). NCHANGE 2 FRI-T*SORTIAGE*2-F(1)**2) GX102-X*T**2*FT(1) A 1=1FF(1)**2-FF(1)**2 FNI=T*SORTIAGE*2-F(1)**2 FNI=T*SORTIAGE*2-FX-2-F(1)**2 FNI=T*SORTIAGE*2-X**2-F(1)**2 FNI=T*SORTIAGE*2-X**2-F(1)**2 FNI=T*SORTIAGE*2-X**2-F(1)**2 FNI=T*SORTIAGE*2-X**2-F(1)**2 FNI=T*SORTIAGE*2-X**2-F(1)**2 FX (X102-X**5) A1=1X**00**2-FFB1**2 A1=2.*FN1 A1=2.*FN1 A1=2.*FN1 A1=2.*FN1 FNI=T*SORTIAGE*2-X**2-X**1 IF (NCHANGE*E0.1) DF(2)=SORTIAGE*1)/(A11*GX1) IF (NDEBUG.E0.0) GRINT 6* NINT.T.AB.F(1).F(2).FB1.GY1.GY1.A11.A41. 1A21.*F1.DF(1).DF(2) DETION ONLANSA**2-F(2)**2	C 700 C 710 D 20 D 30 D 40 D 50 D 50 D 70 D 100 D 100 D 130 D 140 D 140 D 140 D 140 D 140 D 140 D 150 D 210 D 210 D 220 D 230 D 240
	39 FORMAT (SX.5MX)(1,12X.6MX)(NA):10X.6MX)(NB):10X.4MX[NI:1]X.5MX](N 1):1]X.5MX](AND (SX.6MX)(1):2[6.8]  80 FORMAT (3H 1215:2X.6MX)(1):2[6.8]:2X.6MXO([):2[6.8]:2X.6MYO([):2[6.8]  81 FORMAT (1M A1(1)FIC.)  82 FORMAT (1ME16.8)  83 FORMAT (1XEE16.8)  83 FORMAT (1XEE16.8)  84 FORMAT (1XEE16.8)  85 FORMAT (1XEE16.8)  86 FORMAT (1XEE16.8)  87 FORMAT (1XEE16.8)  87 FORMAT (1XEE16.8)  88 FORMAT (1XEE16.8)  89 FORMAT (1XEE16.8)  80 FORMAT (1XEE16.8)  80 FORMAT (1XEE16.8)  81 FORMAT (1XEE16.8)  81 FORMAT (1XEE16.8)  82 FORMAT (1XEE16.8)  83 FORMAT (1XEE16.8)  84 FORMAT (1XEE16.8)  85 FORMAT (1XEE16.8)  86 FORMAT (1XEE16.8)  87 FORMAT (1XEE16.8)  88 FORMAT (1XEE16.8)  89 FORMAT (1XEE16.8)  80 FORMAT (1XEE1	B3060 B3070 B3080 B3090 R3100 R3110 B3120 R3130 B3140 B3150 R3160 B3160 B3160 B3160 B3200 B3200 B3210 C 10 C 20 C 10 C 40 C 50 C 70 C 90	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NE.XOO.X)H-SLOPE.B ISLD-ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  D (TO 11.51) NINT  1 GO TO (1.51) NINT  1 GO TO (1.51) NINT  1 GO TO (1.51) NINT  1 All=1.4F(1)**2-FF(1)**2) GX1=2.**F**2-FF(1)**2 GX1=2.**F**2-FF(1)**2 GX1=2.**F**(AB**2-XFO)**2 FRI=**5ORT(AB**2-XFO)**2 FRI=**5ORT(AB**2-XFO)**2 GX1=2.**F**(AB**2-XFO)**2 A11=1.**XOO**2-XFB1**2 A11=1.**XOO**2	C 700 C 710 D 20 D 30 D 40 D 50 D 70 D 70 D 100 D 100 D 100 D 100 D 150 D 150
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.5MX1(1),17X.6MX1(NA))10X.6MX1(NB):10X.4MX[NI:1]X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.6MXI(N 1):11X.6MXI(N 1):11X.6MXI(1):115.8M.6.  30 FORMAT (104 14(1):11X.6M)  41 FORMAT (104 14(1):11X.6MXI(1):11X.6MX	B3060 B3060 B3060 B3090 B3100 B31100 B31120 B31130 B31130 B31130 B31160 B31160 B31160 B3200 B3210 B3220 C 300 C 300 C 400 C 400 C 600 C 700	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H.SLOPE.B ISLP.ASLP) C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION C DIMENSION F(NE). DE(NE) GO TO (1.5). NINT 1 GO TO (2.3). NCHANGE 2 FRI-T*SORTIABL*2-F(1)**2) GX102-X*T**2*FF(1) A 121FF(1)**2-FF(1)**2 FRI-T*SORTIABL*2-FF(1)**2 FRI-T*SORTIABL*2-FF(1)**2 FRI-T*SORTIABL*2-X**2-X**2-FF(1)**2 FRI-T*SORTIABL*2-X**2-X**2-FF(1)**2 FRI-T*SORTIABL*2-X**2-X**2-FF(1)**2 FRI-T*SORTIABL*2-X**2-X**1 A112-X**5ORTIABL*2-X**2-X**2-FF(1)**2 FRI-T*SORTIABL*2-X**2-X**1 A112-X**5ORTIABL*2-X**2-X**1 FINCHANGE.EO.1) DF(2)=SORTIABLY/(A11*GX1) FF (NCHANGE.EO.1) DF(2)=SORTIABLY/(A11*GX1) FF (NCHANGE.EO.2) DF(2)=SORTIABLY/(A11*GX1) FF (NDEBUG.EO.0) GRINT 6* NINT.T*AB.F(1).F(2).FB1.GY1.GY1.A11*A41* 1A21.*E.OF(1).DF(2) DETIION ONLANSA**2-F(2)**2 FRI=T*SORTIABS(OUAN)) GX102-X**1**2**5(2)	C 700 C 710 D 20 D 30 D 40 D 50 D 70 D 70 D 100 D 100 D 130 D 140 D 140 D 140 D 140 D 140 D 140 D 150 D 210 D 220 D 230 D 240 D 240 D 240 D 240 D 240 D 240 D 140 D 140 D 150 D 160 D 160
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.5MX)(1,12X.6MX)(NA)10X.6MX)(NB):10X.4MX[NI:1]X.5MX](N 1):1]X.5MX](N 1):1]X.5MX](N 20 FORMAT (3H 1=15:2X.6MX)(1):E16:8:2X.6MXO(1):E16:8:2X.6MYO(1):E16:8 1:2X.5MX](1):E16:8:3 21 FORMAT (1MA A1(1):F1C.) 22 FORMAT (1MA E16:8) 33 FORMAT (1XEE):8:8) 34 FORMAT (1XEE):8:8) 35 FORMAT (1XEE):8:8) 35 FORMAT (1XEE):8:8 36 FORMAT (1XEE):8:8 37 FORMAT (1XEE):8:8 38 FORMAT (1XEE):8:8 39 FORMAT (1XEE):8:8 39 FORMAT (1XEE):8:8 30 FORMAT (1XEE):8:8 31 FORMAT (1XEE):8:8 31 FORMAT (1XEE):8:8 32 FORMAT (1XEE):8:8 31 FORMAT (1XEE):8:8 32 FORMAT (1XEE):8:8 33 FORMAT (1XEE):8:8 34 FORMAT (1XEE):8:8 35 FORMAT (1XEE):8:8 36 FORMAT (1XEE):8:8 37 FORMAT (1XEE):8:8 38 FORMAT (1XEE):8:8 39 FORMAT (1XEE):8:8 30 FORMAT (1XEE):8:8 30 FORMAT (1XEE):8 31 FORMAT (1XEE):8 31 FORMAT (1XEE):8 32 FORMAT (1XEE):8 33 FORMAT (1XEE):8 34 FORMAT (1XEE):8 35 FORMAT (1XEE):8 36 FORMAT (1XEE):8 36 FORMAT (1XEE):8 37 FORMAT (1XEE):8 38 FORMAT (1X	83060 83070 83080 83090 83100 831100 831120 831130 831140 831150 831150 832100 83220 83220 C 30 C 30 C 40 C 40 C 70 C 90 C 90	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H-SLOPE.B ISLP.ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION FINE), DF(MF) GO TO (1.5-1) NINT 1 GO TO (2.31) NCHANGE C FRI=T*SORT(AB*2=F1(1)**2) GX1=0.*T**2*FC(1)**2 GX1=0.*T**2*FC(1)**2 GX1=0.*T**2*FC(1)**2 GX1=0.*T**2*FC(1)**2 FRI=T**5ORT(AB*2=T**2-F(1)**2) FRI=T**5ORT(AB*2=X*OO**2) GX1=0.*T**2*FC(1)**2 FRI=T**5ORT(AB*2=X*OO**2) GX1=0.*T**2*FC(1)**2 IF (NCHANGE-EO.1) DF(2)=SORT(A21)/(A11*GX1)	C 700 C 710 D 100 D 20 D 40 D 50 D 70 D 100 D 100 D 100 D 150 D 150 D 150 D 150 D 150 D 150 D 150 D 210 D 220 D 230 D 240 D 250 D 25
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.5MX1(1),17X.6MX1(NA))10X.6MX1(NB):10X.4MX[NI:1]X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.6MXI(N 1):11X.6MXI(I):115.8M.6.8MX.6MXO(I):116.8M.2X.6MXO(I):116.8M.2X.6MXO(I):116.8M.2X.6MXO(IX):11X.14.6M.6.M.6.MX.6MXI(IX):11X.14.6M.6.M.6.MX.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(IX):11X.6MXI(I):11	B3060 B3070 B3080 B3090 R3100 R31100 B3120 B3120 B3150 B3160 B3160 B3160 B3210 B3210 B3210 B3210 B3210 C 10 C 20 C 10 C 50 C 70 C 90 C 90 C 100	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.ABF.F.OF.NF.XOO.X)H.5LOPE.9 ISLD-ASLP) C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION F(NE). DE(NE) GO TO (1.5). NINT 1 GO TO (2.3). NCHANGE 2 FILET*SORTIAGH*2-F(1)**2) GX102-XT**SORTIAGH*2-F(1)**2) GX102-XT**SORTIAGH*2-F(1)**2 3 COLOTAL STREET AND	C 700 C 710 C 710 D 20 D 30 D 40 D 50 D 70 D 100 D 100
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.5MX)(1,12X.6MX)(NA)10X.6MX)(NB):10X.4MX)NI:11X.5MX](N 1):11X.5MX](N 1):11X.6MX](N 1):1	B3060 B3070 B3080 B3090 B3100 B3120 B3120 B3120 B3130 B3140 B3170 B3170 B3170 B320 B3220 C 30 C 30 C 40 C 70 C 70 C 100 C 100	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FNN SUBRUITINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H-SLOPE.B ISLP.ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION FINE), DF(MF) GO TO (1.5-1) NINT 1 GO TO (2.31) NCHANGE C FRI=T*SORT(AB*2-FF11**2) GX1=2-************************************	C 700 C 710 C 710
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.SMX)(1),17X.SMX1(NA):10X.SMX1(NB):10X.SMX[NI:1]X.SMX[NI 1):11X.SMX[AMX](NY-ZE16.8)  40 FORMAT (3H 1=15.2X.SMX(1)]=E16.8;2X.SMX(1)]=E16.8;2X.SMX(1)]=E16.8  41 FORMAT (1MA 1(1)FIC.)  42 FORMAT (1MA 1(1)FIC.)  43 FORMAT (1XBE16.8)  43 FORMAT (1XBE16.8)  43 FORMAT (1XBE16.8)  45 FORMAT (1XBE16.8)  54 FORMAT (1XBE16.8)  55 FORMAT (1XBE16.8)  64 FORMAT (1XBE16.8)  65 FORMAT (1XBE16.8)  65 FORMAT (1XBE16.8)  66 FORMAT (1XBE16.8)  76 FORMAT (1XBE16.8)  77 FORMAT (1XBE16.8)  78 FORMAT (1XBE16.8)	B3060 B3070 B3080 R3090 R31100 R31120 R31120 R31130	IN FORMAT (IX.7H =15.7X.6HB4(1)=[16.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NUEBUG.T.ABF.F.OF.NF.XOO.X)H.5LOPE.B ISLP.ASLP) C COMPLIFE DERIVATIVES FOR BODY GEOMETRY INTEGRATION DIMENSION F(NE). DE(NE) GO TO (11.5). NINT 1 GO TO (2.3). NCHANGE 2 FRI.T*50BT1ABH*2-F(1)**2) GX120-**(**2**FRI.**2) AX11-1-X*(**2**FRI.**2) AX11-1-X*(**2**FRI.**2) AX11-1-X*(**2**FRI.**2) AX11-1-X*(**2**FRI.**2) AX11-1-X*(**2**FRI.**2) IF (NCHANGE.EO.1). DF(12)=-SORT(AZI)/(AII*GXI) IF (NDEBUG.EO.0). DR(NT.6* NINT.T.AB.F(I).F(2).FBI.GYI.GYI.AII.A4]. IAZI.E.IDF(1).DF(2) DETION OXINDARAP2-F(2)**2 FRIET*SORT(ABS(QUAN)) GX120-**F*(**2**FRI.**2) AX11-**(**2**FRI.**2)	C 700 C 700 C 710 D 700 D 700 D 60 D 700 D 700 D 100 D 100 D 100 D 1100 D 120 D 140 D 140 D 150 D 150 D 150 D 200 D 200
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.SMX)(1),17X.SMX1(NA):10X.SMX1(NB):10X.SMX[NI:1]X.SMX[NI 1):11X.SMX[AMX](NY-ZE16.8)  40 FORMAT (3H 1=15.2X.SMX(1)]=E16.8;2X.SMX(1)]=E16.8;2X.SMX(1)]=E16.8  41 FORMAT (1MA 1(1)FIC.)  42 FORMAT (1MA 1(1)FIC.)  43 FORMAT (1XBE16.8)  43 FORMAT (1XBE16.8)  43 FORMAT (1XBE16.8)  45 FORMAT (1XBE16.8)  54 FORMAT (1XBE16.8)  55 FORMAT (1XBE16.8)  64 FORMAT (1XBE16.8)  65 FORMAT (1XBE16.8)  65 FORMAT (1XBE16.8)  66 FORMAT (1XBE16.8)  76 FORMAT (1XBE16.8)  77 FORMAT (1XBE16.8)  78 FORMAT (1XBE16.8)	B3060 B3070 B3080 B3090 B3100 B3120 B3120 B3120 B3140 B3150 B3160 B3160 B3160 B3210 B3210 B3210 B3210 B3210 C 20 C 30 C 30 C 40 C 70 C 100 C 100	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FNN SUBRUITINE DERIV ININT.NCHANGE.NDEBUG.T.AB.F.OF.NF.XOO.X)H-SLOPE.B ISLP.ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION FINE), DF(MF) GO TO (1.5-1) NINT 1 GO TO (2.31) NCHANGE C FRI=T*SORT(AB*2-FF11**2) GX1=2-************************************	C 700 C 700 C 710 C 710
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.SMX1(1).12X.SMX1(NA).10X.SMX1(NB).10X.SMX1(N1).11X.SMX1(N 1).11X.SMX1AUN1.21X.SMX1(NFAUN).21X.SMX1(N1).11X.SMX1(N 1).11X.SMX1AUN1.21X.SMX.SMX1(I).E16.8.2X.SMX0(I).E16.8.2X.SMX0(I).E16.8.1  40 FORMAT (1) A 1(1)FTC.1  41 FORMAT (1) A 1(1)FTC.1  42 FORMAT (1) A 1(1)FTC.1  43 FORMAT (2) A 12-15.2X.SMX1(I).E16.8.2X.SMX0(IZ).E	B3060 B3070 B3090 B3090 B3100 B31100 B3120 B3140 B3150 B3140 B3150 B3160 B3160 B3210 B3220 B3220 C 30 C 30 C 40 C 40 C 80 C 100 C 10	IN FORWAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FNN SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.ABF.F.OF.NF.XOO.X)H-SLOPE.B ISLP.ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION FINE), DE(NF) GO TO (1.5-1) NINT 1 (0) TO (2.3) NCHANGE GFH1=*SORT(ABE-2F1)**2) GX1=2.****SORT(ABE-2F1)**2) GX1=2.****SORT(ABE-2F1)**2 GO TO A 3 XOO=1.***ISGRIT(ABE-2E-XOO.*2) GX1=2.******2-XOO.**2) GX1=2.*****2-XOO.**2) A11=1.**XOO**2.**FB1**2 A21=CX.****2-XOO.**2) A11=1.**XOO**2.**FB1**2 A21=CX.***2***(***2**4A]**2 IF (NCHANGE.EO.1) DE(2)=-SORT(A21)/(A11*GX1) IF (NCHANGE.EO.2) DE(2)=SORT(A21)/(A11*GX1) IF (NCHANGE.EO.2)=SORT(A21)/(A11*GX1) IF (NCHANGE.EO.2)=SORT(A21)/(A11*GX1) IF (NCHANGE.EO.2)=SORT(A21)/(A11*GX1) IF (NCHANGE.EO.2) IF (NCH	C 7000 C 7010 C
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.SMX)(1),17X.SMX1(NA):10X.SMX1(NB):10X.SMX[NI:]1X.SMX[NI 1):11X.SMX[AMX](NX):215.6.8  40 FORMAT (3H 1915:2X.SMX(1):910.8.2X.SMX(1):916.8.2X.SMX(1):916.8  41 FORMAT (1) A 1(1):15.2  42 FORMAT (1) A 1(1):15.2  43 FORMAT (1):14.5  43 FORMAT (1):14.5  44 FORMAT (1):14.5  45 FORMAT (1):15.6.8  45 FORMAT (1):15.6.8  46 FORMAT (1):15.6.8  46 FORMAT (1):15.6.8  46 FORMAT (1):15.6.8  47 FORMAT (1):15.6.8  48 FORMAT (1):15.6.8  49 FORMAT (1):15.6.8  40 FORMAT (1):15.8  40 FORMAT (1):15.8  41 FORMAT (1):15.8  42 FORMAT (1):15.8  43 FORMAT (1):15.8  44 FORMAT (1):15.8  45 FORMAT (1):15.8  46 FORMAT (1):15.8  47 FORMAT (1):15.8  48 FORMAT (1):15.8  48 FORMAT (1):15.8  49 FORMAT (1):15.8  40 FORMAT (1):15.8  40 FORMAT (1):15.8  41 FORMAT (1):15.8  42 FORMAT (1):15.8  43 FORMAT (1):15.8  44 FORMAT (1):15.8  45 FORMAT (1):15.8  46 FORMAT (1):15.8  47 FORMAT (1):15.8  48 FORMAT (1):15.8  49 FORMAT (1):15.8  40 FORMAT (1):15.8  40 FORMAT (1):15.8  41 FORMAT (1):15.8  42 FORMAT (1):15.8  43 FORMAT (1):15.8  44 FORMAT (1):15.8  45 FORMAT (1):15.8  46 FORMAT (1):15.8  47 FORMAT (1):15.8  48 FORMAT (1):15.8  49 FORMAT (1):15.8  40 FORMAT (1):15.8  40 FORMAT (1):15.8  41 FORMAT (1):15.8  42 FORMAT (1):15.8  43 FORMAT (1):15.8  44 FORMAT (1):15.8  45 FORMAT (1):15.8  46 FORMAT (1):15.8  47 FORMAT (1):15.8  48 FORMAT	B3060 B3070 B3080 B3090 B3100 B3120 B3120 B3120 B3170 B3170 B3170 B3170 B3210 B3210 B3220 B3220 B3220 C 20 C 10 C 20 C 10 C 10 C 10 C 10 C 10 C 10 C 10 C 1	IN FORMAT (IX.7H =15.2%.6HB4(1)=[6.8.7X.5HE(1)=F16.8) FND SUBROUTINE DERIV ININT.NCHANGE.NUEBUG.T.ABF.F.OF.NF.XOO.XIH-SLOPE.P ISLD-ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION	C 70010 C 7001
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.SMX1(1).12X.SMX1(NA).10X.SMX1(NB).10X.SMX1(N1).11X.SMX1(N 1).11X.SMX1AUN1.31X.SMX1(N).10X.SMX1(NB).10X.SMX1(NI).11X.SMX1(N 1).11X.SMX1AUN1.31X.SMX.SMX1(I).F10.8.2X.SMX0(I).F10.8.1XX.SMX0(II).F10.8.8  40 FORMAT (104 A1(1)FTC.)  41 FORMAT (104 A1(1)FTC.)  42 FORMAT (104 IZ-15.2X.SMX1(II).F10.8.2X.SMX0(II).SMX0(II).SMX0(II).SMX0(II).SMX0(II).SMX0(II).SMX0(III	B3060 B3060 B3060 B3060 R31100 R31120 R31130 R31140 R31140 R31160	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.5HE(1)=F16.8) FNN SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.ABF.F.OF.NF.XOO.X)H-SLOPE.B ISLP.ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  (O TO (1.5.1) NINT (O TO (2.3) NCHANGE G FNI=**SORT(ABE-2*F1)**2) G TO A XOOS .7TSORT(ABE-2*F1)**2 GO TO A XOOS .7TSORT(ABE-2*FX1**2) GX129.**T**2*FX1**2 GX129.**T**2*FX1 A1121.**XOO**2*FB1**2 GX129.**T**2*XOO A1121.**XOO**2*FB1**2 A2120.**T**2*Z**OO A1121.**XOO**2*FB1**2 IF (NCHANGE-EO-1) DF(2)=*SORT(A21)/(A11*GY1) IF (NCHANGE-EO-1) DF(2)=*SORT(A21)/(A11*GY1) IF (NCHANGE-EO-1) DF(2)=*SORT(A21)/(A11*GY1) IF (NDEBUG-EO-0) GRINT 6. NINT.T.AB.F(1).*F(2).*FB1.GY1.GY1.A11.A41. A21.**LDF(1).**DF(2) GTINN GX129.**T**2*FF(2) OUNABRE-F(2)**2 FNI=**SORT(ABS(OUN)) GX129.**T**2*FF(2)**2 FNI=**SORT(ABS(OUN)) GX129.**T**2*FF(2)**2 A21=CX1435,P40.**BSLP=(F(1)-XIR)**2 GZP1=1.**TAUX1 DF(2)=-A11*GY1/*SORT(A21)**C2B1) DF(3)=-A11*GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**C2B1) DF(3)=-A11**GX1/*SORT(A21)**GZB1)	C 7000000000000000000000000000000000000
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.SMX)(1),17X.SMX1(NA):10X.SMX1(NB):10X.SMX[NI:]1X.SMXI(N 1):11X.SMXI(N 1)	B3060 B3060 B3060 B3060 R31100 R31100 B3120 B3120 B3120 B3120 B3120 B3120 B3220 B3220 C 100 C 20 C 40 C 40 C 50 C 10 C 10 C 110 C 110 C 120 C 130 C 13	IN FORMAT (IX.7H =15.2%.6HB4(1)=[6.8.7X*GHE(1)=F16.8) FNN SUBROUTINE DERIV ININT.NCHANGE.NUEBUG.T.ABF.F.OF.NF.XOO.X]H-SLOPE.P ISLP.ASLP)  C COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION	C 70010 C 7001
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SK.SMX1(1),17X.6MX1(NA))10X.6MX1(NB);10X.4MX[NI-1]X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.6MXI(N 1)	B3060 B3060 B3060 B3060 B3160 B31120 B3120 B3130 B3140 B3170 B3180 B3170 B320 B3210 C 20 C 30 C 40 C 40 C 40 C 40 C 100 C 100	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.6HB4(1)=F16.8) FNN SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.ABF.F.OF.NF.XOO.X)H-SLOWE.B ISLD-ASLP)  C COMDITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION  (INTERSION FIRE), DEFINE GO TO (1.5) XINDA GO TO (1.5)	C 701010 C 71010 C 710
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SX.SMX)(1),17X.SMX1(NA):10X.SMX1(NB):10X.SMX[NI:]X.SMXI(N 1):11X.SMXI(NI	B3060 B3060 B3060 B3060 R31100 R31120 R31120 R31120 R31160 B3120 R31160 B3120 B3120 B3120 B3120 B3120 B3120 B3120 B3220 B3220 C 20 C 40 C 40 C 40 C 10 C 10 C 10 C 10 C 10 C 10 C 10 C 1	IN FORMAT (IX.7HI=15.2%.6HB4(1)=16.8.7X.5HE(1)=F16.8) FNN SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.ABF.F.OF.NE.XOO.X)H-SLODE.B ISLD-ASLD  COMPLIF DERIVATIVES FOR BODY GEOMETRY INTEGRATION  DIMENSION FINE), DF(NE) GO TO (1.5-1), NINT 1 GO TO (2.3), NCHANGE G FHI=**SORT(ABB*2-FF1)***2) GX1=2-************************************	C 70010 C 7001
· · · · · · · · · · · · · · · · · · ·	39 FORMAT (SK.SMX1(1),17X.6MX1(NA))10X.6MX1(NB);10X.4MX[NI-1]X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.5MXI(N 1):11X.6MXI(N 1)	B3060 B3060 B3060 B3060 B3160 B3120 B3120 B3130 B3140 B3170 B3170 B3170 B3170 B320 B320 C 30 C 40 C 40 C 40 C 40 C 10 C 10 C 10 C 10 C 10 C 10 C 10 C 1	IN FORMAT (IX.7H =15.7X.6HB4(1)=16.8.7X.6HB4(1)=F16.8) FNN SUBROUTINE DERIV ININT.NCHANGE.NDEBUG.T.ABF.F.OF.NF.XOO.X)H-SLOWE.B ISLD-ASLP)  C COMDITE DERIVATIVES FOR BODY GEOMETRY INTEGRATION  (INTERSION FIRE), DEFINE GO TO (1.5) XINDA GO TO (1.5)	C 701010 C 71010 C 710

```
D 420-
E 10
F 20
             FND
SUPPOUTINE APPROX
             COMPLITE APPROXIMATE SHOCK SHAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            280
290
300
310
320
330
340
350
360
370
 COMMIN F (13), DC(3), FC(1), DC(3), C(3), A(1)(3), A(2)(7), A(3)(3), A(4)(1), COMMIN F(1), DC(3), C(1), DC(3), A(1)(3), A(1)(3), A(2)(7), A(3)(3), A(4)(3), A(4)(4), 
       COMMIN XORAFI(27), YORAFI(20), XBAH(27), YBAR(27), TAU(27), G2B(20), DPUZE IX(27)
COMMIN KTRANSF, SLOPF
COMMIN KTRANSF, SLOPF
COMMIN KTRANSF, SLOPF
COMMIN KTRANSF, SLOPF
COMMIN CONZ, STMARH, AD. A11; A12; A13; A22; A22; A23; A31; A32; A35; ALPH
ZARAH, NDREUGH, HK, SIG, IRMA KAD, NF, NLIMES, EPSIG, NPRINT, SPACET, NEXTKAP,
3EPSIGOM, FPSINT, DEGLY, NIN, SICKPI
COMMIN, MERROP, EPGI(2), EPGI(2); AUX.
COMMIN, MERROP, EPGI(2); EPGI(2); AUX.
HLD(20), VG
HLD(20), VG(22); VG(22); AC(22); AC(20); AC
           PRODITION JOURNAL TOWN (20) PROSTSGIPO) POP INF (20) PROPOR ALPHAD FALL PROSTSGIPO) POP INF (20) PROPOR ALPHAD FALL PROSTSGIPO) POP INF (20) PROPOR ALPHAD FALL PROPORTY PROPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 290
300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               310
320
330
340
350
360
370
380
390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF (((1-1):L=.0.AND.15TL.NE.5):OR.(((-1)).GT.()))

CONTINUE

F (NDFBUG.EO.O) PRINT 8: ((1:X((1):Y((1):1|=1:NP)))

DYDXBDF(N.NE.NE.X-Y)

F (NDFBUG.EO.O) PRINT 12: N:NE.NP.0YDX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               400
             LZ=N1-1
QUAN=ETAS(N1)-ETAS(1)
NO 1 I=2+LZ
QUAN=XI(1)/XI(N1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E 440
E 450
E 460
E 470
E 480
E 510
E 520
E 550
E 550
E 560
E 590
E 590
E 600
E 620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ETAS(1) = ETAS(1)+QUAN+QUAN2**2
                                       INDEBUG.FQ.O. PRINT 5. I.XI(I).QUANZ.FTAS(I)
             IF INDEBUGEGO DRINT 5: 1.XI(1).GUANG.ETAS(1)
CONTINUE
DO 2 1=1.LZ
ETAS(N)+1)=FTAS(N)-1;
IF INDEBUGEGO, DO PRINT 6: ([.XI(1).ETAS(1).1=1.N)
RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               END
SUBROUTINE DIRCOS (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTE DIRECTION COSINES OF HIETAITAU COORDINATES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMMON F.31. DEF.31. PC.(3). PC.(3). ABI. (3). ABI. (3).
18ETAN2=E16-8:

5 FORMAT (3H 1=15-2x-6HX1(1)=E16-8-2x-6HQUAN2=E16-8-2x-8HETAS(1)=E16-8:
 1+8)
6 FORMAT (3H 1=14+2X+6HX1(1)=F16+9+2X+8HFTAS(1)=E16+8)
                 FND
SUBROUTINE LGRANGE ([+NP+NLINES+NDEBUG+XO+XREAL+YREAL+X+Y+DYDX)
             ESTABLISHES LINE ARRANGEMENT. ACCOUNTING FOR SYMMETRY WHERE APPROPRIATE. FOR COMPUTATION OF XI DERIVATIVES FOR FUNCTION DIF
             DIMENSION XREAL(NLINES), YREAL(NLINES), X(NP), Y(NP)

COMMON /BLOCKI/ ISTL NCYCLE, NCOUNT, ISIGN
NE*(NP-11/2

NE*(NP-11/2

NDE*(NF-11/2

IF (NDFBUG.F0,0) PRINT 9

IF (NDFBUG.F0,0) PRINT 10, 1:NP+NLINES+ISTL+ISIGN+NCOUNT, NCYCLE, NE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     I.XO

IF (NDEBUG.EC.0) PRINT II. (II.XREAL(II).YREAL(II).II=I.NLINES)
XXN).XPEAL(I)
Y(N).YPEAL(I)
F (15IGN.EC.500) GO TO 5
IF (15IGN.EC.500) AND.ISTL.NE.2-AND.ISTL.NE.5) GO TO 5
IF (15IGN.ES.IGN.PE) GO TO 5
IF (I.4E.SIGN.PE) GO TO 5
IF (I.4E.SIGN.PE) AND.I.4E.SIGN) GO TO 1
IF (I.6T.SIGN.PE.AND.I.4E.NLINES) GO TO 5
IF (I.6E.ISIGN.PE.AND.I.4E.NLINES) GO TO 5
IF (I.6E.ISIGN.PE.AND.I.4E.NLINES) GO TO 3
NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2POPT![20],PTOPT![20],PTI20].POASTSG(20).POPINF(20).CPB0DY(20)
[F (WDEBUG.FO.A) PRINT 2
[F (WDEBUG.FO.A) PRINT 1.1*ETA![].A1(]).A2(]).A3(]).A4(]).A5(]).A
[6]],A7(]].A8(]).GX([]).Y0(])
OUAN]=CONY.SORT(A1([])
OUAN]=CONY.SORT(A1([])
OUAN]=CONY.SORT(A1([])
OUAN]=CONY.SORT(A1([])
OUAN]=CONY.SORT(A1([])
OUANATCHISSORT(A1([]))
 1 NUM=0
1XZ=1S1GN=NP+1
```

SNAUD*(1)*2+{NAUD*(1)*0+=*11A SNAUD*(1)*0+{NAUD*(1)*0+=*11A	G 370	•		H 610
SMAUD*(1)*0U#1+GV(1)*QU#N2 SMAUD*(1)*0U#HE [A	G 380 G 390		Y=±X	H 620
A21#_QUAN5*(GY(1)+YO(1)#A#(1))	G 400		7=439	H 640
A22=QUAN5+(GX([]+XO([)+44([)] A23=QUAN5+A7([)	G 410 G 420		IF (ABS(Z).GT-1.F-10) GO TO 2 PRINT 4- ERR(Z)+1-V(;)-W(;)-ETA([)-A][-A]Z-A]3-A2[-A22-A23-A31-A32	H 650
A31*X0(1)*0UAN3+GX(1)*0UAN4	G 430		1+433+XF(11+X+Y+Z	H 670
AVALDAGE 1) OVESCA	G 440		STOP	H 680
#MAID # FILA # CMAUD # EMAUD # EMAUD # I THE PROPERTY OF CMAUD # EMAUD	G 450 G 460		? x5(1)=x/7 Y5(1)=Y/7	H 700
CEA-SEA-1EA-CIAI	G 470		PSISh(I)=ATAN2(YS(I),XS(I))=RAD	H 710
PHIR=ATAN2(GY(1)+GX(1))	G 480		XSBAP(1)#XS(1)/AP	H 720
SINPHIRESIN(PHIR)	G 490 G 500		YSPAR(1)=YS(1)/AP XOBAR(1)=XO(1)/AP	H 730
RITENIT FCOSPHIR+ATZECINPHIR	G 510		9AP([]=Y0(])/AR	H 750
B12=A21=COSPH1R+422=c1NPH1R	G 520		IF (NDERUG.EO.D) PRINT 4. BLK(1). 1. ALPHAR. A11. A12. A13. A21. A22. A23.	н 760 н 770
813=A31*COSPHIR+A32* <inphir 821=-A11*SINPHIR+A12*COSPHIR</inphir 	G 530 G 540		1A31.A32.A33.X1(1).51cMA.VETA.VX1.VR.CUN3.CONA.SINBETA.HETAM.BETAD( ?1).RH0(!).P(!).UN.UT.U(!).V(!).K(!).X.Y.Z.XS(!).YS(!).S(!).S(!).SBAR(!)	H 780
P22=-A21*SINPHIR+A22*COSPHIR	G 550		3.XSBAR(1).YSBAR(1).XOBAR(1).YOBAR(1)	н 790
P23=-A31+S1NPH1R+A32+COSPH1R	G 560	_	RETURN	H Boo
IF (NDEBUG.EQ.0) PRINT 1. 1.GY([).GX([).PH(R.S[NPH(R.COSPH(R.B)].B	G 570 G 580	,		H 810
RETURN	G 590		3 FORMAT (17H SUBROUTINE SHOCK)	н өзо
	G 600		4 FORMAT (1X146+15/(8F16+8)) FND	H 840
1 FORMAT (3H I=15/(8E14.81)	G 610		SUPPOUTINE DERIVE (DEINE)	1 10
2 FORMAT (18H SIMROUTINE DIRCOSZ)	G 630	•		1 80
END SUBBOUTINE SHOCK (1)	G 640~ H 10	c	EXECUTIVE SUBROUTINE TO COMPUTE DERIVATIVES FOR INTEGRATION	I 30
SCHOOL OF SHIPE (1)	H 50	è	OF FIGHTIONS	1 50
COMPLITE FLOW QUANTITIES AT SHOCK	н 30		COMMON F(3).DF(3).FC(3).DFC(3).AH1(3).AH2(3).AH3(3).AH4(3)	1 60
COMMON F(3)+OF(3)+FC(3)+DFC(3)+AB1(3)+AB2(3)+AB3(3)+AB4(3)	H 40 H 50		COMMON FUN(20:61:0FUN(20:6):FUNC(20:61:0FUNC(20:61:R1(20:61:82(20: 16):R1(20:6):R4(20:6)	1 70
COMMON FUN(20+6)+0FUN(20+6)+FUNC(20+6)+DFUNC(20+6)+81(20+6)+82(20+	H 60		COMMON SBAR (20)+DSBD7 (20)+SBARP (20)+DSB1 (20)+DSB2 (20)+DSB3 (20)+DSB	1 90
16) · B*(20 · 61 · B4 (20 · 6)	H 70		14 (20) + X1 (20) + X0 (20) + Y0 (20) + A1 (20) + A3 (20) + A3 (20) + A5 (20) + A6 (2	1 100
COMMON SBAR(20):DSBD7(20):SBARP(20):DSB1(20):DSB2(20):DSB3(20):DSB 14(20):X1(20):X0(20):Y0(20):A1(20):A2(20):A3(20):A4(20):A5(20):A6(2	H 80		20)+A7(20)+A8(20)+AKR(20)+GX(20)+GY(20)+GXX(20)+GYY(20)+GXY(20)+ETA 3(20)+ETAS(20)+ETASP(20)+BETAD(20)+RH0(20)+R(20)+P(20)+D(20)+V(20)+	1 110
201+A7(20)+A8(20)+AKB(20)+GX(20)+GY(20)+GXX(20)+GYY(20)+GXY(20)+ETA	H 100		4W(20)+PP(20)+UP(20)+VP(20)+WP(20)+X5(20)+Y5(20)+DUDZ(20)+DPDZ(20)+	1 130
3(20).ETAS(20).EASP(20).dETAD(20).RHO(20).R(20).P(20).U(20).V(20).	H 310		5DVDZ (20)+DWDZ (20)+AM(20)+S(20)+ZETAI (20)+ZETAZ (20)+ZETA3(20)+ZETA4	1 140
4W(2^)+PP(20)+UP(2^)+VP(20)+WP(20)+X5(20)+Y5(20)+DUDZ(20)+DPDZ(20)+ 5DVDZ(20)+DWDZ(20)+AM(20)+S(20)+ZETA1(20)+ZETA2(20)+ZETA3(20)+ZETA4	H 120		6(20).DU1(20).DU2(20).DU3(20).DU4(20).DW1(20).DW1(20).DW3(20).DW4(2 70).DV1(20).DV2(20).DV3(20).DV4(20).FS1D(20).DP1(20).DP1(20).DP2(20).	1 150
	H 140		8DP3(20) DP4(20) DFONS(20) CROSSM(20) POROGAM(20) 0(20) OP(20) PS15	1 170
70)+DV1(20)+DV2(20)+DV3(20)+DV4(20)+G(20)+PSID(20)+DP1(20)+DP2(20)+BDP3(20)+DP4(20)+DF0N5(20)+CROSSM(20)+POHOGAM(20)+O(20)+OP(20)+PSIS	H 150		90(20)+BERNOUL(20)+X5mAR(20)+Y5BAR(20)+RHOTSEN(20)+UTSFN(20) COMMON XOBAR(20)+Y0BAR(20)+X5BAR(20)+YBAR(20)+TAU(20)+G2B(20)+GPDZE	J 180
90(27)*BERNOUL (20)*XSRAH (20)*YSHAR (20)*HHO[SEN(27)*UISEN(20) COMMON XORAR (20)*YORAR (20)*YORAR (20)*TAU(20)*TAU(20)*TOPOZE XY (27) COMMON XORAR (20)*XORA ASST (31)*(312**N) (312**N) (32**N) (32**N) (32**N) (32**N) ASST (31)**N) (312**N) (314**N) (32**N) (32**N) (32**N) (32**N) ASST (31)**N) (31**N) (31**N) (31**N) (31**N) (32**N) (32**N) ASST (31)**N) (31**N) (31**N) (31**N) ASST (31)**N) (31**N) (31**N) ASST (31**N) (31**N) (31**N) ASST (31**N) (31**N) (31**N) ASST (31**N) (31**N) (31**N) ASST (31**N) ASST (31**N) (31**N) ASST (31*	H 170 H 180 H 190 H 200 H 210 H 220 H 250 H 250 H 270 H 270 H 270 H 310 H 310 H 320		1X (27)  (GMMNN XTDAMSF, SLOPE  COMMNN ABST, SEIL-SIZ, BZZ, BZZ, BZZ, NSPACE, PI, M. N. LL, T., TMETAR, GAM  (A.DYL, COM, 1CON2, STMACH, AB, ALL, ALZ, ALZ, AZZ, AZZ, AZJ, AZZ, AZZ, AZJ, AZZ, AZZ	I 200 I 210 I 220 I 230 I 240 I 260 I 260 I 300 I 310 I 320 I 340 I 350
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX127) COMMON KATANSF, SLODE COMMON AAST 811+812-813-821-822-823-NSPACE, PI-M+N+L1+T, THETAR+GAMM IA-DXT+CON1+CON2+STMACH+-88-811+812-813-821+822-823-823-823-823-823-823-823-823-823-	H 180 H 190 H 200 H 210 H 220 H 230 H 240 H 250 H 260 H 260 H 270 H 280 H 300 H 310		COMMON *TPANSF-SLOPE COMMON *TPANSF-SLOPE COMMON *TPANSF-SLOPE COMMON *AST-BIL-BIZ-BIZ-BIZ-BZZ-BZZ-NSPACE,PI.M.N.L.1.T.THETAR-GAMM IA.DXI.CON1.cON2.STMACH.AB.AII.AIZ.AIJ.AZI.AZZ-AZJ.AJI.AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-	1 210 1 220 1 230 1 240 1 250 1 260 1 270 1 280 1 300 1 310 1 320 1 330 1 340
COMMON XOBAR (201+YOBAP(20)+XBAP(20)+YBAP(20)+TAU(20)+G2B(20)+OPOZE IX12*) COMMON KATANSF, SLODE COMMON AAST B11-B12-R13-B21-B22-B23-NSPACE-P1-M+N+L1-T, THETAR-GAMM IA-DX1-CON1-CON2-STMACH+AB-A11-A12-A13-A21-A22-A23-A23-A23-A23-A23-A21-A23-A23-A23-A23-A23-A23-A23-A23-A23-A23	H 180 H 190 H 200 H 210 H 230 H 240 H 250 H 260 H 270 H 300 H 300 H 300 H 320 H 340 H 340 H 350		COMMON *TPANKF.SLOPE COMMON *TPANKF.SLOPE COMMON *TPANKF.SLOPE COMMON *AST.BILI-BIZ.PIJ.R2 .B22.B23.NSPACE.PI.M.N.L.I.T.THETAR.GAMM IA.DYI.CONI.CONZ.STMACH.AB.AII.AIZ.AIJ.A2I.AZZ.AZJ.AJI.AJZ.AJZ.AJJ.ADZ.AJJ	I 210 I 220 I 230 I 240 I 250 I 260 I 270 I 280 I 310 I 320 I 340 I 350 I 360 I 370 I 380
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX12**) COMMON KATANS**, SLOPE COMMON AAST-811-812-813-821-822-823-NSPACE-P1-M+N+L1-T, THETAR-GAMM IA-0X1-CON1-CON2-STMACM-481-A11-A12-A13-A21-A22-A23-A23-A23-A23-A21-A22-A33-ALPH IA-0X1-CON1-CON2-STMACM-481-A11-A12-A13-A21-A22-A23-A23-A23-A23-A23-A23-A23-A23-A23	H 180 H 190 H 200 H 210 H 220 H 240 H 250 H 260 H 270 H 300 H 300 H 300 H 340 H 340 H 350		COMMON **TRANSF-SLOPE COMMON **TRANSF-SLOPE COMMON **TRANSF-SLOPE COMMON **AST-BIL-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ	I 210 I 220 I 240 I 250 I 260 I 270 I 300 I 310 I 320 I 340 I 350 I 360 I 370 I 380
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IXI2*) COMMON KATANSF, SLODE COMMON AAST-B11+B12+B13+B21+B22+B23+NSPACE+P1+M+N+L1+T, THETAR+GAMM IA-0X1+CON1+CON2+STMACM+AB+A11+A12+A13+A21+A22+A23+A23+A23+A23+A23+A21+A22+A33+ALPH IA-0X1+CON1+CON2+STMACM+AB+A11+A12+A13+A21+A22+A23+A23+A23+A23+A22+A33+ALPH AR-N+1+NOPSUG+H+M**-ISCAN-B1-1-SIG-N**-IN-M**-IN-BS-F-IS-G-N**-MINT-SPACER-NEXTMAP+ ISEPSIAO**-FPSINT-LOBO-XYM1+SIG-N**-IN-M**-IN-BS-F-IS-G-N**-MINT-SPACER-NEXTMAP+ ISEPSIAO**-FPSIAT-LOBO-XYM1+SIG-N**-IN-M**-IN-BS-F-IS-G-N**-MINT-SPACER-NEXTMAP+ ISEPSIAO**-FPSIAT-LOBO-XYM1+SIG-N**-IN-M**-IN-BS-IS-G-N**-MINT-SPACER-NEXTMAP+ IN-LO-1-DO-1-DO-1-DO-1-DO-1-DO-1-DO-1-DO-1	H 180 H 190 H 200 H 210 H 230 H 240 H 250 H 260 H 270 H 300 H 300 H 300 H 320 H 340 H 340 H 350		COMMON *TPANSF-SLOPE COMMON *TPANSF-SLOPE COMMON *AST-BIL-BIZ-BIZ-BIZ-BZZ-BZZ-NSPACE-PI-M.N.LI-T.THETAR.GAMM IA.DYI-CONI, CONZ-STMACH-AB-A1 [.A12.A13-A21.A22.A23.A2].A32.A33.ALPA ZAR.NI, NDBEUGH-IN-K-S.SIMA.RAD.NF.NLTINES-EPSIG-NARINT.SPACEH.ME XTRAP- 3FSIGOM-EPSINT OCCO.XINI.51GMP COMMON *VEC1201.WCC122).VCC120.WCC120.VCC120.CP120.SPACHLD(20).XPHID(20).YP IHLD:PO).VCC120.VCC120.WCC120.WCC120.YCC120.THETNOW(20).SPINDR(20). ZPOPTI(20).PTOPTI(20).WCC120.WCC120.WCC120.YCC120.CP120).THETNOW(20).CPBODY(20) COMMON *PLOCK/J NTST.NCYCLE.NCOUNT.SIGN COMMON *PLOCK/J NTS	I 210 I 220 I 230 I 240 I 250 I 260 I 270 I 280 I 310 I 320 I 340 I 350 I 360 I 370 I 380
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX12**) COMMON KATANS**, SLOPE COMMON AAST-811-812-813-821-822-823-NSPACE-P1-M+N+L1-T, THETAR-GAMM IA-0X1-CON1-CON2-STMACM-481-A11-A12-A13-A21-A22-A23-A23-A23-A23-A21-A22-A33-ALPH IA-0X1-CON1-CON2-STMACM-481-A11-A12-A13-A21-A22-A23-A23-A23-A23-A23-A23-A23-A23-A23	H 180 H 190 H 200 H 210 H 210 H 230 H 240 H 250 H 250 H 270 H 370 H 390 H 340 H 340 H 350 H 350 H 370 H 390 H 390		COMMON *TPANSF-SLOPE COMMON *TPANSF-SLOPE COMMON *AST-BIL-BIZ-BIZ-BIZ-BZZ-BZZ-NSPACE,PI.M.N.L.I.T.THETAR.GAMM IA.DXI.CONI,CONZ-STMACHLAB.AII.AIZ.AIJ.AZI.AZZ-AZJ.AZJ.AJZ.AJZ-AJZAD.AIZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJZ-AJ	I 210 I 220 I 240 I 250 I 260 I 260 I 270 I 330 I 310 I 320 I 350 I 360 I 360 I 360 I 370 I 380 I 380
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX127) COMMON KATANSF, SLODE COMMON AAST-B11+B12+B13+B21+B22+B23+NSPACE+P1+M+N+L1+T, THETAR+GAMM IA-0X1+CON1+CON2+STMACM+AB+A11+A12+A13+A21+A22+A23+A23+A23+A23+A23+A23+A23+A23+A23	H 180 H 190 H 200 H 210 H 220 H 230 H 250 H 250 H 250 H 250 H 300 K 310 H 300 K 310 H 350 H 350 H 360 H 350 H 360 H 350 H 360		COMMON *TPANFF-SLIPE COMMON *TPANFF-SLIPE COMMON *AST-BIL-BIZ-BIZ-BIZ-BZZ-BZZ-NSPACE-PI_M.N.Ll.T.THETAR.GAMM IA.DYICONI_CONZ-STMACH_AB.A1 _A12_A13_A21_A22_A23_A3]_A32_A33_ALD+ ZAB.NI, NDBEUGH_H-M.S.SIGMA.PAD.NF.NLTNES-EPSIG.NPRINT.SPACEH_MEXTRAP. 3FPSIGOM_EPSINT.OECO.XINI_SIGNPI COMMON *MCROOP_ERIGLE_SHER(I2)_BUK_(I2) COMMON *MCC(20).WCC(20).WC(20).WC(20).CPI20].SBA4HLD(20).XPHLD(20).YB HLDIPO).HC(20).WC(20).WC(20).WC(20).WC(20).FDNDR(P20). ZPOPTI(20).PTOPTI(20).FT(20).WC(20).WC(20).PODIMP(20).CPBODY(20) COMMON *MLOCKI/ STTWCYCLE_NCOUNT.ISIO. COMMON *MLOCKI/ STTWCYCLE_NCOUNT.ISIO. THENDIND *XFAL_GAD). *MPEAL(20).**X(20).**Y(20)  IF (WAPFRICA_FD.D.DDIMT 6 IF (WAPFRICA_FD.DDIMT 6 IF (WAPFRICA_FD.D.DDIMT 6 IF (WAPFRICA_FD.D.DDIMT 6 IF (WAPFRICA_FD.DDIMT	I 210 I 220 I 230 I 240 I 250 I 260 I 270 I 310 I 310 I 330 I 330 I 340 I 350 I 360 I 370 I 380 I 360 I 370 I 380 I 370 I 380 I 370 I 380 I 370 I 370
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX127) COMMON KATANSF, SLODE COMMON AAST-B11+B12+B13+B21+B22+B23+NSPACE+P1+M+N+L1+T, THETAR+GAMM IA-0X1+CON1+CON2+STMACM+AB+A11+A12+A13+A21+A22+A23+A23+A23+A23+A23+A21+A22+A33+ALPH IA-0X1+CON1+CON2+STMACM+AB+A11+A12+A13+A21+A22+A23+A23+A23+A23+A23+A23+A23+A23+A23	H 180 H 190 H 200 H 210 H 220 H 230 H 250 H 250 H 260 H 360 H 360 H 360 H 360 H 360 H 370 H 380 H 380		COMMON *TPANEF.SLOPE COMMON *TPANEF.SLOPE COMMON *AST.BIL-1812.H13.H21.B22.B23.NSPACE.PI.M.N.L1.T.THETAR.GAMM IA.DYI.CON1.CON2.STMACH.AB.A11.A12.A13.A21.A22.A23.A31.A32.A33.ALPA 2AR.N1.NDBEUG.A1-NK.SIGMA.PAD.NF.NLINES.EPSIG.NDRINT.SPACEM.MEXTRAP. 3FPSIGOM.EPSINT.OECO.XINSIGMA: COMMON *CEC201.WCC12?NC120.BLK(12) COMMON *CC1201.WCC12?NC120.BLK(12) COMMON *CC1201.WCC12?NC120.NC120.YC120.THENDR(20).TMENDR(20).YB HLD.120.HTCDTI120.HTC120.NC120.HTC10.THDR(20).TMENDR(20).CPBODY(20) COMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION COMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION OMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION COMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION OMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION OMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION OMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION COMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION OMMON *ABLOCKI/ SISTNCYCLE.NCOUNT.ISION	I 210 I 220 I 240 I 250 I 260 I 260 I 270 I 330 I 310 I 320 I 350 I 360 I 360 I 360 I 370 I 380 I 380
COMMON XOBAR(20):YOBAR(20):XBAR(20):YBAR(20):TAII(20):G2B(20):OPOZE IX127) COMMON KATANSF; SLODE COMMON AAST BI]:BI2:RI3:B21:B22:B23:NSPACE:PI:M:N:LI:T,THETAR:GAMM IA:DXT:CONI:CON2:STMACH:AB:AII:AI2:AI3:A21:A22:A23:A23:A23:A23:A12:A33:ALPI IA:DXT:CONI:CON2:STMACH:AB:AII:AI2:AI3:A21:A22:A23:A23:A23:A23:AD3:ALPI AB:RI:N:NOFBUGH:H:X:STMA*IN:ST	H 180 H 190 H 200 H 210 H 220 H 240 H 250 H 250 H 250 H 270 H 370 H 370 H 340 H 340 H 340 H 350 H 360 H 370 H 380 H 360 H 370 H 380 H 380		COMMON *TPANKF.SLOPE COMMON *TPANKF.SLOPE COMMON *TPANKF.SLOPE COMMON *AST.BILI-BIZ.HIJ.HZ].B22.B23.NSPACE.PI.M.N.LI.T.THETAR.GAMM IA.DXI.CONI.cONZ.STMACH.AB.AII.AIZ.HJZI.AZZ.AZJ.AJI.AJZ.AJZ.AJJ.AJZ.AJZ	I 210 I 220 I 230 I 250 I 260 I 270 I 280 I 290 I 300 I 350 I 360
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX127) COMMON KATANSF, SLODE COMMON AAST-B11+B12+B13+B21+B22+B23+NSPACE+P1+M+N+L1+T, THETAR+GAMM IA-0X1+CON1+CON2+STMACM+AB+A11+A12+A13+A21+A22+A23+A23+A23+A23+A23+A21+A22+A33+ALPH IA-0X1+CON1+CON2+STMACM+AB+A11+A12+A13+A21+A22+A23+A23+A23+A23+A23+A23+A23+A23+A23	H 180 H 190 H 200 H 210 H 220 H 230 H 250 H 250 H 260 H 360 H 360 H 360 H 360 H 360 H 370 H 380 H 380		COMMON YTRANSF-SLOPE COMMON YTRANSF-SLOPE COMMON AST-BILL-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ	I 210 I 220 I 230 I 240 I 250 I 270 I 280 I 300 I 310 I 320 I 340 I 360 I 360 I 370 I 380 I 380
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IYIZ?) COMMON KATASISI-BI2-RI3+B21+B22+B23+NSPACE+PI+M+N+L1+T, THETAR+GAMM IA-0X1+CON1+CON2+STMACM+AB+AII+AI2+AI3+A21+A22+A23+A23+A31+A32+A33+ALPH IA-0X1+CON1+CON2+STMACM+AB+AII+AI2+AI3+A21+A22+A23+A31+A32+A33+ALPH IA-0X1+CON1+CON2+G2+CI2+B2R(12)+MC-12+CI2+CI2+CI2+CI2+CI2+CI2+CI2+CI2+CI2+CI	H 180 H 180 H 200 H 210 H 220 H 240 H 240 H 250 H 260 H 270 H 270 H 310 H 350 H 350 H 350 H 350 H 360 H 370 H 370		COMMON YTRANSF-SLOPE COMMON YTRANSF-SLOPE COMMON AST-SELI-SIZ-BIZ-BIZ-BIZ-BIZ-BIZ-NSPACE,PI-M.N.LI-T.THETAR.GAMM IA-DXI-CONI,CONZ-STMACH-AB-AII,AIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-B	I 210 I 220 I 230 I 250 I 310 I 310 I 350 I 360 I 370 I 360 I 370 I 470
COMMON XOBAR(20)+YOBAP(20)+XBAP(20)+YBAP(20)+TAII(20)+G2B(20)+OPOZE IX127) COMMON KATANSF, SLODE COMMON AAST BII +BI2+RI3+B21+B22+B23+NSPACE+PI+M+N+LI+T, THETAR+GAMM IA-DXT+CON1+CON2+STMACH+-AB+AII+AI2+AI3+A21+A22+A23+A23+A23+A23+A23+A21+A22+A33+ALPI IA-DXT+CON1+CON2+STMACH+-AB+AII+AI2+AI3+A21+A22+A23+A23+A23+A23+A23+A23+A23+A23+A23	H 180 H 200 H 200 H 220 H 220 H 240 H 240 H 250 H 260 H 260 H 370 H 390 H 390 H 390 H 390 H 390 H 390 H 390 H 390 H 340 H 340		COMMON YTRANSF-SLOPE COMMON YTRANSF-SLOPE COMMON AST-BILL-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ-BIZ	210   220   230   240   240   250
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IYIZ?) COMMON KATASISI-BI2-RI3+B21+B22+B23+NSPACE+PI+M+N+L1+T, THETAR+GAMM IA-0X1+CON1+CON2+STMACM+AB+AII+AI2+AI3+A21+A22+A23+A23+A31+A32+A33+ALPH IA-0X1+CON1+CON2+STMACM+AB+AII+AI2+AI3+A21+A22+A23+A31+A32+A33+ALPH IA-0X1+CON1+CON2+G2+CI2+B2R(12)+MC-12+CI2+CI2+CI2+CI2+CI2+CI2+CI2+CI2+CI2+CI	H 180 H 180 H 200 H 210 H 220 H 240 H 240 H 250 H 260 H 270 H 270 H 310 H 350 H 350 H 350 H 350 H 360 H 370 H 370		COMMON YTRANSF.SLOPE COMMON YTRANSF.SLOPE COMMON AST.BILIST.RIJ.RIJ.BIZ.BIZ.RIJ.NSPACE.PI.M.N.LIT.THETAR.GAMM IA.DXI.CONI.CONZ.STMACH.AB.AII.AIZ.RIJ.NZI.AZZ.RIJ.NZZ.RIZ.RIJ.NZZ.RZZ.RZZ.RZZ.RZZ.RZZ.RZZ.RZZ.RZZ.RZZ	I 210 I 220 I 230 I 250 I 310 I 310 I 350 I 360 I 370 I 360 I 370 I 470
COMMON XOBAR(20)+YOBAP(20)+XBAP(20)+YBAP(20)+TAU(20)+G2B(20)+OPOZE IX12?) COMMON KATASIS, SLODE COMMON AAST-811-812-R13+821+822+823+NSPACE+P1+M+N+L1+T, THETAR-GAMM 1A-0X1-(CON1-CON2-STMACH+-8B-811+A12-A13+A21+A22-A23+A31+A32+A33+ALPH 1A-0X1-CON1-CON2-STMACH+-8B-811+A12-A13+A21+A22-A23+A31+A32+A33+ALPH ARN-N+, NOSPUG-4-NE-SIGA-NAD-HAN-N-LINES-FSSIG+NPMINT-SPACER-NEXTHAP- SEPSIGOM-FSSINT-LOCO-XYN1-SIGNON COMMON VCC(20)+VC2(2)+VC(20)+VC3(2)+VC1(20)+VBNON-1020+VBHLD(20)+VBHLD(20)+VBHLD(20)+VC2(2)+VC2(2)+VC2(20)+FDDNON-1020+VBHLD(20)+VBHLD(20)+VBHLD(20)+VC2(2)+VC2(2)+VC2(20)+FDDNON-1020+VBHLD(20)+VBHLD(2	H 180 H 200 H 200 H 210 H 220 H 220 H 240 H 240 H 260 H 260 H 260 H 360 H 360		COMMON YTRANSF.SLOPE COMMON YTRANSF.SLOPE COMMON AST.BILISIZ.BIJ.BIZ.BIJ.BZZ.BZJ.NSPACE.PI.M.N.LI.T.THETAR.GAMM IA.DXI.CONI.CONZ.STMACH.AB.AII.AIZ.AIJ.AZZI.AZJ.AZJ.AJZ.AJZ	210   230
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IXIZO') COMMON KATABI-BI-BI2-RI3-B21-B22-B23-NSPACE-PI-M+N+LI-T, THETAR-GAMM IA-DX1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21+A22-A23-A23-A23-A23-A21-A23-A23-A14-DM IA-DX1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21+A22-A23-A31-A22-A33-ALPH IA-DX1-COMMON YERGAT TO SICHA-IA-DA-N-LINES-FISS[G-MPMINT-SPACER-NEXTHAP- REPSIROM-FOSINT.DEO.X[M1,5:GMP) COMMON YEC(20)+V(212)+GPMI(21)+HX(12) COMMON YEC(20)+V(20)+W(20)+V(20)+V(20)+GPRHLD(20)+YBHLD(20)+YBHLD(20)+VBHLD(20)+VC(20)+VC(20)+VC(20)+V(20)+THETAR(20)+BDPI(20)+YBHLD(20)+VC(20)+VC(20)+VC(20)+VC(20)+VC(20)+VC(20)+THETAR(20)+BDPI(20)+FORMOY(20)  STREAM YELOCITY COMPONENTS  VETA-A12*SIN(ALPHAR)+A13*COS(ALPHAR) VX+A22*SIN(ALPHAR)+A23*COS(ALPHAR) CONA-SIN(SIGMA)  SHORT A(VFTA-CONA+VXI*CON3) BETAGRASIN(SIGMA)  SHORT A(VFTA-CONA+VXI*CON3) BETAGRASIN(SIGMA) BFTAGRASIN(SIGMA) FARGAT GENERAL STRACH-*2*SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2*SINBETA**2) F(1)=1-(GAMMA-1-)-STMACH-*2*SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2*SINBETA**2) F(1)=1-(GAMMA-1-)-STMACH-*2*SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2*SINBETA**2) F(1)=1-(GAMMA-1-)-STMACH-*2*SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2*SINBETA**2) F(1)=1-(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2*SINBETA**2) F(1)=1-(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2*SINBETA**2) F(1)=1-(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2*SINBETA**2) F(1)=1-(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA**2)/(2.*(GAMMA-1-)-STMACH-*2-SINBETA*	H 180 H 190 H 200 H 200 H 200 H 200 H 200 H 230 H 240 H 250 H 250 H 250 H 250 H 250 H 350 H 360		COMMON YPANKF.SLOPE COMMON ATTAINSF.SLOPE COMMON AST.BILI-BIZ.HIJ.HZI.BZZ.BZJ.NSPACE.PI.M.N.LI.T.THETAR.GAMM IA.DYI.CONI.CONZ.STMACH.AB.AII.AIZ.AIJ.AZZI.AZZ.AZJ.AJZ.AJZ.AJJ.AJZ.AJZ	2   19   2   2   2   2   2   2   2   2   2
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+C2B(20)+OPOZE IXIZO') COMMON KATABI-BI-BI2-RI3-B21-B22-B23-NSPACE-PI-M+N+L1-T, THETAR-GAMM IA-OX1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21-A22-A23-A23-A22-A33-ADP IA-OX1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21-A22-A33-AD3-AD2-A33-ADP IA-OX1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21-A22-A33-AD3-AD2-A33-AD2-A33-ADP IA-OX1-CON1-CON2-STMACM+AB-AI1-AI2-AI3-AB-I-AI2-A33-AD2-A33-AD2-A33-AD2-A33-AD2-A33-AD2-A33-AD2-A33-AD2-AB-I-ADP IA-OX1-CON1-CON2-CON2-CON3-ADP IA-OX1-CON1-CON2-CON3-ADP IA-OX1-CON1-CON1-CON2-CON3-ADP IA-OX1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON1-CON3-ADP IA-OX1-CON1-CON1-CON1-CON1-CON1-CON1-CON1-CON	H 180 H 200 H 200 H 200 H 200 H 230 H 240 H 250 H 250 H 260 H 270 H 270 H 330 H 360 H 370 H 380		COMMON YTRANSF.SLOPE COMMON YTRANSF.SLOPE COMMON AST.BILISIZ.BIJ.BIZ.BIJ.BZZ.BZJ.NSPACE.PI.M.N.LI.T.THETAR.GAMM IA.DXI.CONI.CONZ.STMACH.AB.AII.AIZ.AIJ.AZZI.AZJ.AZJ.AJZ.AJZ	2   19   22   22   1   22   22   1   22   22
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX127) COMMON KATASISI-B12-R13-B21-B22-B23-NSPACE-P1-M+N+L1-T, THETAR-GAMM 1A-DXT-CON1-CON2-STMACH+AB-A11+A12-A13-A21-A22-A23-A23-A23-A23-A23-A21-A23-A23-A23-A23-A23-A23-A23-A23-A23-A23	H 180 H 200 H 200 H 200 H 200 H 200 H 230 H 240 H 250 H 250 H 260 H 250 H 350		COMMON YTRANSF-SLOPE COMMON YTRANSF-SLOPE COMMON ASTS (BILLS) 2.813.821.822.823.NSPACE, PI.M.N.LIT.THETAR.GAMM IA.DXI.CONI, CON2.57MACH.AB.AII.AI2.AI3.A21.822.823.A3I.A32.A33.ALPA 32B.NI, NDBEUGH.H.K.S.SICMA.PAD.NF.NILINES.EPSIG.NPRINT.SPACEM.MEXTPAP. 37PSIGOM.EPSINT.OECO.XINI.SIGNPI COMMON VCC(20).WC(	2   10   22   23   24   25   25   25   25   25   25   25
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IXI2P) COMMON KATASISI-BI2-RI3+B21+B22+B23+NSPACE+PI+M+N+L1+T, THETAR+GAMM IA-0X1+CON1+CON2+STMACM+AB+AII+AI2+AI3+A21+A22+A23+A31+A32+A33+ALPH IA-0X1+CON1+CON2+STMACM+AB+AII+AI2+AI3+A21+A22+A23+A31+A32+A33+ALPH IA-0X1+CON1+CON2+STMACM+AB+AII+AI2+AI3+A21+A22+A23+A31+A32+A33+ALPH IA-0X1+CON1+CON2+CON2+CON2+CON2+CON2+CON3+CON2+CON2+CON2+CON2+CON2+CON2+CON2+CON2	H 180 H 200 H 200 H 200 H 200 H 230 H 240 H 250 H 250 H 260 H 270 H 270 H 330 H 360 H 370 H 380		COMMON YTRANSF-SLOPE COMMON AST-SLIPE 2-B13-B21-B22-B23-NSPACE-PI-M.N.L1-T.THETAR.GAMM IA-DYI-CONI-CON2-STMACH-AB-A11-A12-A13-A21-A22-A23-A21-A32-A33-ALP-A 2AD-N1-NDEBUG-H-M-K-SIGMA-PAD-AN-INLINES-EPSIG-NPRINT.SPACEM-MEXTRAP- 3PSIGOM-EPSINT-OEO-XYNI-SIGNP COMMON VCC(20)-VCC(20)	2   10   22   22   1   23   23   24   25   25   25   25   25   25   25
COMMON XOBAR(20)+YOBAR(20)+XBAR(20)+YBAR(20)+TAII(20)+G2B(20)+OPOZE IX127) COMMON KATASISI-BI2-RI3-B21-B22-B23-NSPACE-PI-M+N+L1-T, THETAR-GAMM (1A-0X1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21-A22-A23-A31-A22-A33-ALPH (1A-0X1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21-A22-A23-A31-A22-A33-ALPH (1A-0X1-CON1-CON2-STMACM+AB-AII+AI2-AI3-A21-A22-A23-A31-A22-A33-ALPH (1A-0X1-CON2-FPS)+TA-DEO-XYM1-SIGNAP (COMMON VEC(20)+VC12)+VC12)+VC12-YC12-YC12-YC12-YC12-YC12-YC12-YC12-Y	H 180 H 200 H 200 H 200 H 200 H 200 H 250 H 250 H 250 H 250 H 250 H 250 H 350 H 370		COMMON YTRANSF-SLOPE COMMON AST-SLI-SPI-SPI-SPI-SPI-SPI-SPI-SPI-SPI-SPI-SP	1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
COMMON XOBAR(20):YOBAR(20):YOBAR(20):TAU(20):G2B(20):OPOZE IX127) COMMON KATANST;SLOBE COMMON AAST B11:B12:R13:B21:B22:B23:NSPACE:P1:M:N:L1:T,THETAR:GAMM 1A-DXT:CON1:CON2:STMACH:AB:A11:A12:A13:A21:A22:A23:A31:A32:A33:ALPI 1A-DXT:CON1:CON2:STMACH:AB:A11:A12:A13:A21:A22:A23:A31:A32:A33:ALPI A2R:N:INDEFUGH:HN:SICMA* INDEFUGH:POSINT:OEO:XYN1:X:CON3 INDEFUGH:POSINT:OEO:XYN1:X:XYN1:XYN1:XYN1:XYN1:XYN1:XYN1:XY	H 180 H 200 H 200 H 200 H 200 H 230 H 240 H 250 H 250 H 250 H 360 H 370 H 360		COMMON YTRANSF-SLOPE COMMON AST-SLI-SPI-SPI-SPI-SPI-SPI-SPI-SPI-SPI-SPI-SP	1 219 22 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25

```
DEGNE(|):=(H*F1B/DAST)**2*(G1B/DAST)**2*-G(|)**2/ASG

IF (NDEBUG:=0:0) PRINT 12: BLK(4):-[:AM(|):CBOSSM(|):POROGAM(|):S(1
|:UP(1):POP(|):NP(|):POP(|):SABPP(|):FF-F1:F2*F3*GUAN:F1B*:G1B*:G(|):D

ZEONS(|):FUN(|:1)

IF (VEYIDA-JEO:|):G0 ID 9

IF ((G(1):G1:EPSIG:OR:DEUNS(|):L1:EPSIG]:AND.FUN(|:1):GE:-BO) GO I
          1.2X.6HMP([]=E16.8.2X.9HSBARP([]=E16.8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 640
1 650-
J 10
J 20
J 30
J 40
J 50
J 60
J 70
                     END
SUBROUTINE FONS (DZETA)
COMPN F(3).DF(3).FC(2).DFC(3).AB1(3).AB2(3).AB3(3).AB4(3)

COMMN F(NI(20.6).DFUN(20.6).FNUC(20.6).FNUC(20.6).B1(20.6).B1(20.6).B2(20.6).B1(20.6).B2(20.6).B1(20.6).B2(20.6).B1(20.6).B2(20.6).B2(20.6).B1(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2(20.6).B2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               900
910
920
930
940
950
960
                   COMPUTE ZETA DERIVATIVES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TP (f0(1)).tT.FPS(G-0R-G(1)-GT-0+) GO TO 7

TP (ARS(G(1)).tT.FPS(G-0R-G(1)-GT-0+) GO TO 7

TP (ARS(G(1)).GT-0+) GO TO 6

OFORCH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRINT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZETA DERIVATIVES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . DFIN(1:2)=FF/G(1)
DFUN(1:3)=RPG(1)DFONS(1)*(F1*G(1)-F2*H*F18-F3*G1A)
DFUN(1:4)=1-4/G(1)*(H*F18+DFUN(1-3)/(IAST**2*RPG(1))+F2)
DFUN(1:5)=-1-4/G(1)*(F18+DFUN(1-3)/(IAST**2*H*G(1))+F2)
DFUN(1:5)=-1-4/G(1)*(F18+DFUN(1-3)/(IAST**2*H*G(1))+F3)
DFUN(1:4)=-FTAS(1)=FFUN(1-5)**(F18+DFUN(1-1))+DFUN(1:2)+DFUN(1:3)**
IF (NDERUG-F2-0) PR(NT 12- PLX(6)+1-DFUN(1:1)+DFUN(1:2)+DFUN(1:3)**
IFUN(1:4)+DFUN(1:5)**(FFUN(1:6)**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J1010
J1020
J1030
J1040
J1050
J1060
J1070
J1080
J1090
J1100
J1110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EXTRAPOLATION OF VELOCITIES AND PRESSURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 J1120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7 NEXTRAP=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J1140
J1150
J1170
J1170
J1190
J1200
J1210
J1220
J1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               270
280
290
300
310
320
330
340
350
360
370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    J1240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EXTB==ZETA2(1)+ZETA1(1)+ZETA2(1)*ZETA4(1)*ZETA1(1)*ZETA4(1)
EXTA==ZETA2(1)+ZETA3(1)+ZETA1(1)
EXTB==ZETA2(1)+ZETA3(1)+ZETA1(1)
EXTB==ZETA2(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)*ZETA1(1)
EXTC==ZETA2(1)+ZETA3(1)+ZETA1(1)
EXTC==ZETA2(1)+ZETA3(1)+ZETA1(1)
EXTC==ZETA2(1)+ZETA3(1)+ZETA1(1)+ZETA3(1)+ZETA3(1)+ZETA1(1)+ZETA4(1)+
DENOM==(ZETA2(1)-ZETA1(1)+ZETA3(1)+ZETA3(1)+ZETA4(1)+
DENOM==(ZETA2(1)-ZETA1(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(1)+ZETA3(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J 430
J 440
J 450
J 460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J1310
J1320
J1330
J1340
                     F18=0(1)+2.*(1.-0(1))*FTA(1)/ETAS(1)
G18=FTA(1)*(QP(1)*(1.-ETA(1)/ETAS(1))-ETASP(1)*F18/ETAS(1))
                     CON1=SIN(ETA(1))
CON2=COS(FTA(1))
        CONZ-COS(FTA(1))

HCOUZ-AMR(1)*CON1

HK-CON1-AKB(1)+CON1

HK-CON1-AKB(1)+CON2

PRINT 12. ERR(1).[F(N(1)]).ETAS(1).ETA(1).CON1.CON2.H.HK

STOP 1201

2 TANSIG=-FTASP(1)/H.

SIGMA-BATA(TANSIG)

BUSGS-FUN(1,2)**22-FUN(1,4)**2+FUN(1,5)**2

DENOM-EXP (FUN(1,6))

IF (NDEBUG.EQ.0.) PRINT 12. BLK(2).I.CON1.CON2.AKB(1).H.HK*ETASP(1)

IF (NDEBUG.EQ.0.) PRINT 12. BLK(2).I.CON1.CON2.AKB(1).H.HK*ETASP(1)

ITANSIGS-ISIGMA-BUSG.GAMMA.STMACH.DENOM-IB-B.GIB

IF (ABS(DENOM).GE:1.F-OT.AND.FÜN(1,3).GT:0.0) GO TO 3

PRINT 12. ERR(2).I.GAMMA.STMACH.TANSIG.SIGMA.BUSG.DENOM.FUN(1,1):F

IUN(1,2):FUN(1,3).FUN(1,4).FUN(1,5)

HEGP=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  470
480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J 480
J 490
J 500
J 510
J 530
J 540
J 550
J 560
J 570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     600
        ION(1,2).FUN(1,3).FUN(1,4).FUN(1,5)

NEGD=0

PRINT 1a

PRIUNT 1a

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  J 610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               620
630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J 640
J 650
J 660
J 670
J 690
J 700
J 710
J 720
J 730
J 740
J 770
J 770
J 770
J 770
J 770
                STOP 1203

ASGARAMASFUN(1-3)/RHO(1)

F (MDEBUG-EQ-0,1) PRINT 12. BLK(3).1.RHO(1).ASG

F (ASG-GT-1.E-20) GD TO 5

PRINT 12. ERR(4):1.RHO(1).FUN(1-3).BUSG-ASG

STOP 1204

AM(1):SGRT(AAST**2*BI;SG/ASG)

CROSKH(1):SGRT(AAST**2*BI;SG/ASG)

CROSKH(1):SGRT(AAST**2*BI;SG/ASG)

PORGGAM(1):FUN(1-3):FUN(1-3)*GAMMA*STHACH**2/RHO(1)**GAMMA)

FFETTAS(1):FUN(1-3):FGAMMA*STHACH**2/RHO(1)**GAMMA)

FFETTAS(1):F(FUN(1-3)*GAMMA*STHACH**2/RHO(1)**GAMMA)

FTETTAS(1):F(FUN(1-3)*GAMMA*STHACH**2/RHO(1)**GAMMA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EQ. (1) +FAC3*FUN(1+1)*(FAC1*DP1(1)+FAC2*DP2(1)+FAC3*DP3(1)+FA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FUNC(1-5)*FUNC(1-5)*FUNC(1-1)*(FAC1*DW1(1)*FAC2*DW2(1)*FAC3*DW3(1)*FA

FUNC(1-5)*FUNC(1-5)*FUNC(1-1)*(FAC1*DW1(1)*FAC2*DW2(1)*FAC3*DW3(1)*FA

FUNC(1-6)*FUNC(1-6)*FUNC(1-1)*(FAC1*DSB1(1)*FAC2*DSB2(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*FAC3*DSB3(1)*F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FUNITES | FUNI
             1.4)]
F28ETAS([]94FUN([,5]94P([]+H4FUN([,2]9FUN(],4]+HK*FUN([,5]**2]
F38ETAS([]94FUN([]/4RH0([]94AS]**2])+FUN([,5]*\psiP(])+H*FUN([,2]9FUN(]
1,5]-HK*FUN([,4)9FUN([,5])
G([]94H9FUN([,4)9FUN([,5])
```

```
11 FORMAT (16H SUBROUTINE FONS) JI
12 FORMAT (17H SUBROUTINE FONS (1X1A6-157 (BE16-B)) JI
13 FORMAT (17H DEON (15 NEAT)VE) JI
14 FORMAT (17H DEON (15 NEAT)VE) JI
14 FORMAT (17H DEON (15 NEAT)VE) JI
15 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
16 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
17 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
18 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
19 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
10 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
11 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
12 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
13 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
14 FORMAT (174-A) CUCH-NECATIVE DESS(IRF//) JI
15 FORMAT (172-A) CUCH-NECATIVE DESS(IRF//) JI
16 FORMAT (174-A) CUCH-NECATIVE DESS(IRF//) JI
16 FORMAT (174-A) CUCH-NECATIVE DESS(IRF//) JI
17 FORMAT (174-A) CUCH-NECATIVE DESS(IRF//) JI
18 FORMAT (174-
                                                                                                                                                                                                                                                                                                                                          WDASWD(N)

OO B 151*N

OO 7 NYEST.NE
OFINE(1:NYE)=OFUN(1:NYE)
FINE(1:NYE)=FINI(1:NYE)
COXTINUE
COXTINUE
FORM(1:1:N)

IF (NCFSUGLEO, O) DOINT 29, OS

DO 11 151-N

NO 1: NYESS.WE
BILLINYS DOSEDERUNC(1:NYE)
FINI(1:NYE)=FINI(1:NYE)+II(1:NYE)/2.

FINI(1:NYE)=FINIC(1:NYE)+II(1:NYE)/2.
                                                                                                                                                                                                                                                                                (DSMIN.FQ.DSMAX) GIVES A FIXED INTEGRATION STEP
                                                                                                                                                                                                                                                                                                                                            K1270
K1280
K1290
K1300
K1310
K1320
                                                                                                                                                                                                                                                                                   K 390 K 410 K 420 K 420 K 440 K 450 K 450 K 490 K 490 K 550 K 550 K 550 K 550 K 550 K 560 K 560
               (DSMIN.NE.DSMAX) GIVES A VARIABLE INTEGRATION STEP
    IF (nsmin.ne.nsmax) no to 3
IF (run(1:1)--1.0F-1.e-07) ns=-1
IF (run(1:1)--1.1.1.e-07) ns=-05
IF (run(1:1)--05.1.1.e-07) ns=-025
IF (run(1:1)-05.1.1.e-07) ns=-025
IF (run(1:1)-05.1.7) no to 5
0 4 I=1 n
0 0 Fun(1:1)-05
                                                                                                                                                                                                                                                                                                                                      K1330
   SET EXTRAPOLATION PARAMETERS
                                                                                                                                                                                                                                                                                                                                RETURN
24 DS=+5#DS
                                                                                                                                                                                                                                                                                                                                24 DS=-ReDS
GO TH 9
25 IF (HSMIN_EQ_DSMAX) RETURN
(HSMIN_EQ_DSMAX) RETURN
(SSEE)
DO 24 | HELN
G PUNKELLE)
RETURN
RETURN
RETURN
                                                                                                                                                                                                                                                                                            610
620
630
640
650
660
670
680
690
710
730
740
750
760
770
780
790
810
820
                                                                                                                                                                                                                                                                                                                                27 FORMAT (19H SUBROUTINE RUNKUT2)
28 FORMAT (3H 1=15/(5H NXF=13,2X,11HFUN(1,NXF)=E16.8,2X,12HDFUN(1,NXF
```

1

```
DDINT 24. NAMPI(15).(VC(1).1=LG:LL)
DDINT 24. NAMPI(16).(VC(1).1=LG:LL)
DDINT 26. NAMPI(16).(VC(1).1=L
L 970
L 930
L 940
L 950
L 960
L 970
L 990
L1000
L1010
L1030
L1040
L1040
L1040
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L1080
L1100
L1110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        220
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260
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L1220
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L1250
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390
410
420
430
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                     RWCL THEPSHOCK OF PRIORY CORN

LRT |

IF (LDRINT FOLZ) PRINT 29

IF (NLCF:1") LLT |

IF (NLCF:1") LLT |

PRINT 22

NM IN-1

CO TO (1:18) LPRINT |

IF (N-FOLI) GO TO 12

IF (7FTA-FO-1:) GO TO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 LP=Li+1

15 (Y.LF,27) LL=N

15 (Y.LF,27) LL=N

16 (Y.LF,27) LL=27

17 (Y.LF,27) LL=27

18 (Y.LF,27) LL=27

19 (Y.LF,27) LL=37

19 (Y.LF,27) LL=37

19 (Y.LF,27) LL=37

10 (Y.LF,27) LL=37

11 (Y.LF,27) LL=37

12 (Y.LF,27) LL=37

13 (Y.LF,27) LL=37

14 (Y.LF,27) LL=37

15 (Y.LF,27) LL=37

16 (Y.LF,27) LL=37

17 LA=LL+1

18 (Y.LF,27) LL=37

19 (Y.LF,27) LL=37

10 (Y.LF,27) LL=37

10 (Y.LF,27) LL=37

11 LL=37

12 POINT 24. NAME(2(1).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(Y.LF,27).(
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L137A
L139A
L139A
L1490
L1420
L1420
L1430
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L1470
L1500
L1500
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L1580
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L1600
L1610
L1620
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L1670
L1680
L1690
L1700
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60 TO (1.3.5), NOMP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FORMAT (AH CZ=E[6.8-2X-3HCY=E[6.8-2X-3HCD=E[6.8-2X-3HCL=E[6.8]
FORMAT (GH VEADF[6.8-2X-3HZMATE.[6.8-2X-3HZM=E[6.8-7]
FORMAT (GH VEADF[6.8-2X-5HZMATE.[6.8-2X-3HZM=E[6.8-7]
FORMAT (GH VEADF[6.8-2X-3HZMATE.[6.8-2X-3HZM=E[6.8-7]
FORMAT (GH VEADF[6.8-2X-3HZM=E]
FORMAT (GH VEADF[6.8-2X-3HZM]
FORMAT (GH VEADF[6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N 600 N 700 N 700 N 700 N 1100 N 1200 N 1200 N 1200 N 1200 N 1200 N 1200 N 2200 N 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nimension (PIVOT(N). A(NMAX.N). B(NMAX.M)
EQUIVALENCE (IROW.JROW). (ICOLUM.JCOLUM). (AMAX.I.SWAP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INITIALIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 | TSCALE=0

01=10.0**100

02=1.0/01

05TEOM=1.0

00 3 J=1.0

2 | DIVOT(J)=0

00 30 1=1.0
                                                 ENID
SURROUTINE FMCORES (N.NA.NH.NSPACE.XI.A.M.AA.AAA.P.A2.AII.A4.GY.YO.
ISTNA PLCOSALP.628)
                                                                   COMPLITE FORCE AND MOMENT COFFFICIENTS
                                                     COMPUTE FORCE AND MOMENT COFFEICIENTS

DIMENSION XI(N), P(N), AZ(N), AI(N), AA(N), GY(N), YO(N), GZB(N)

IF (***PACE*FO***) FO TC 5

SIMM***O***

SIMM**O***

SIMM**O***

SIMM**O***

SIMM**O***

SIMM**O***

SIMM**O***

SIMM**O***

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AMAYDAN

IF (|P|VOT(U)=1) 3.7.3

OO 6 K=1)

IF (|P|VOT(K)=1) 4.6.30

IF (|P|S(AMAX)=ABS(A(U)+K))) 5:6:6

IQON=2'

ICOLIMEE

AMAYA(U+K)

CONTINUE

IF (AMAX) 9:6:9

OFTEDWAN

OFTEDWAN

ISCA($=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            M 100
M 110
M 120
M 130
M 150
M 150
M 160
M 170
M 290
M 290
M 210
M 220
M 230
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ISCALE TO

GO TO 39

9 IPIVOT(ICOLUM) = IPIVOT(ICOLUM)+1
                                                                   DX12:X1(NB)-X1(NB-1)
00 4 1=NA+NB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INTERCHANGE ROWS TO PUT PIVOT ELEMENT ON DIAGONAL
        7 CONTINUE
6 CONTINUE
8 CONTINUE
8 CONTINUE
8 INTERNIZZA, *SUM1
8 INTERNIZZA, *SUM2
8 INTERNIZZA, *SUM3
8 INTERNIZZA, *SUM3
8 INTERNIZZA, *SUM3
9 INTERNIZZA, *SUM3
9 INTERNIZZA, *SUM4
10 CONTINUE
7 CONTINUE
7 CONTINUE
7 CONTINUE
8 INTERNIZZA, *SUM1
8 INTERNIZZA, *SUM1
8 INTERNIZZA, *SUM2
8 INTERNIZZA, *SUM3
8 INTERNIZZA, *SUM3
8 INTERNIZZA, *SUM3
8 INTERNIZZA, *SUM3
9 C PS, *ARINTY
CONTINUE
9 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SCALE THE DETERMINANT
```

```
N 870 N 840 N 870 
                                     DIVIDE PIVOT ROW BY PIVOT ELEMENT
    00 20 L*I.N

IF (IPIVOT(L)-1) 28.50.39

28 ATTOCHUM*L)=A(TOOLUM*L)/PIVOT

20 CONTINUE

IF (M) 32.72-39

30 00 31 L*I.M

31 ATTOCHUM*L)=P(TOOLUM*L)/PIVOT
                                                                     REDUCE NON-PIVOT ROWS
REDIKE NON-PIVOT MOWE

22 ON 38 LITIN
1F (LI-ICOLIM) 33:38:23
37 TA((LI-ICOLIM) 33:38:23
37 TA((LI-ICOLIM) 33:38:23
38 A((LI-ISA(LI-L)-II) 18:-8:39
38 A((LI-ISA(LI-L)-II) 18:-8:39
38 CONTINE
1F (MI.38:38:38
37 B((LI-L)-B((LI-L)-II) 10:00LUM-L)*T
38 CONTINUE
30 COTTINUE
30 COTTINUE
40 DETIINM
50 DETIINM
50 DETIINM
50 THE STREET ST
                                                                                                               THIS FUNCTION SUBPROGRAM FINDS THE DERIVATIVE AT A GIVEN POINT. L. FOR THE DESIRED X AND Y IN A GIVEN TABLE. THE N-POINT LAGPANGIAN FORMULA IS USED WHERE N IS OND.
                                                                                                          L = INTEGER. THE POINT OF X AND Y AT WHICH DEHIVATIVE IS FOUND

= INTEGER. 1-5. TO DETERMINE THE POINT FORMULA. N. N.244+1

NP = INTEGER. THE VIMBER OF POINTS IN TABLE OF VARIABLES.

VARI = ABRAY OF INDEPLIYOR TVAHIABLE. Y. VARIAND

VARD = ABRAY OF OFPENDENT VAHIABLE. Y. VARD(NP)
                                                                 DIMENSION VARIENDIA VARDENDIA XIII). YIII)
                                                            0 180 0 190 0 190 0 190 0 290 0 290 0 290 0 290 0 390 0 390 0 390 0 390 0 390 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490 0 490
```

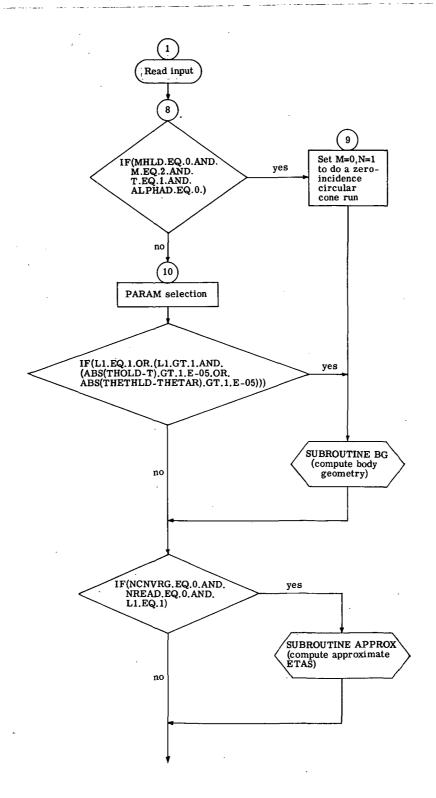
# Subroutines

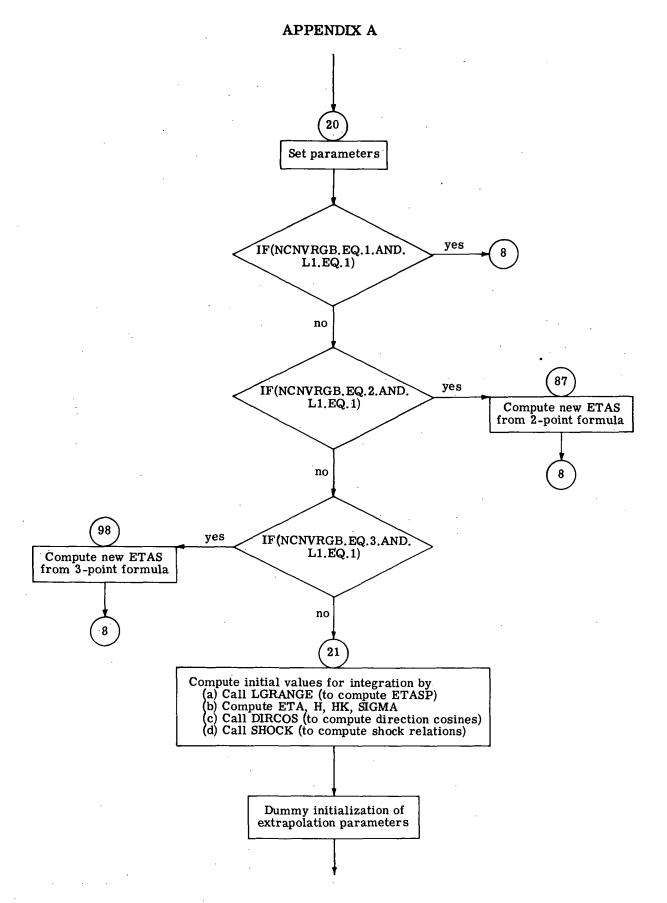
A list of the subroutines used in this program is presented.

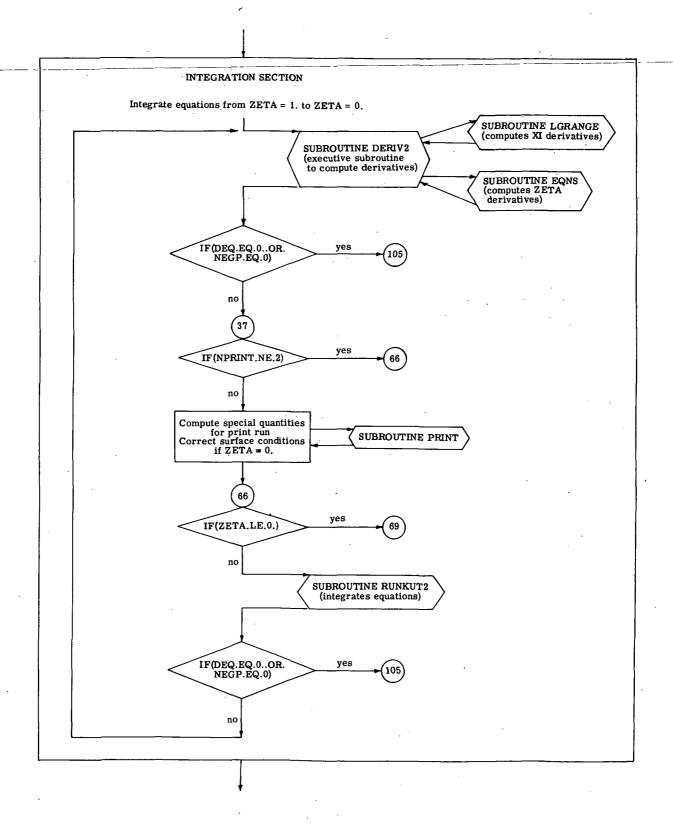
FORTRAN name	Called by	<u>Function</u>
BG	MAIN	Executive subroutine for computation of body geometry
RUNKUT	BG	Runge-Kutta integration for body geometry
DERIV	BG RUNKUT	Computation of derivatives for body-geometry integration
APPROX	MAIN	Computation of approximate shock shape for NREAD = 0
LGRANGE	MAIN DERIV2	Establishes line arrangement, accounts for symmetry where appropriate, for computation of XI derivatives for function DIF
DIRCOS	MAIN	Computation of direction cosines of R, ETA, TAU coordinates
SHOCK	MAIN	Computation of flow quantities behind shock
DERIV2	MAIN RUNKUT2	Executive subroutine for computation of derivatives for integration of equations
EQNS	DERIV2	Computation of zeta-derivatives for integration of equations
RUNKUT2	MAIN	Runge-Kutta integration of equations
PRINT	MAIN	Print instructions
FMCOEFS	MAIN	Computation of force and moment coefficients
SIMEQ	MAIN	Solution of simultaneous linear equations to eval- uate corrections DETA to the shock shape
DIF	LGRANGE	Computation of derivatives from the Lagrange formula

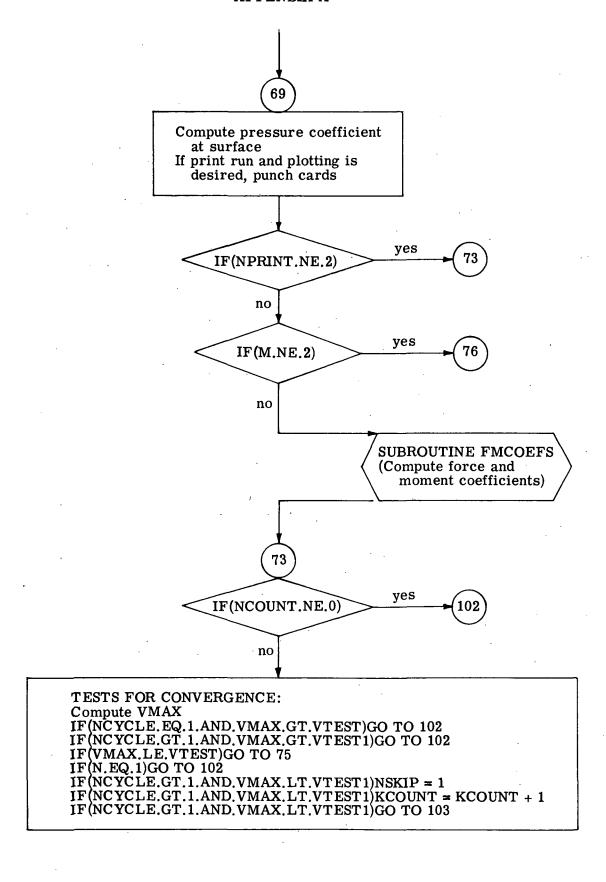
### Flow Chart

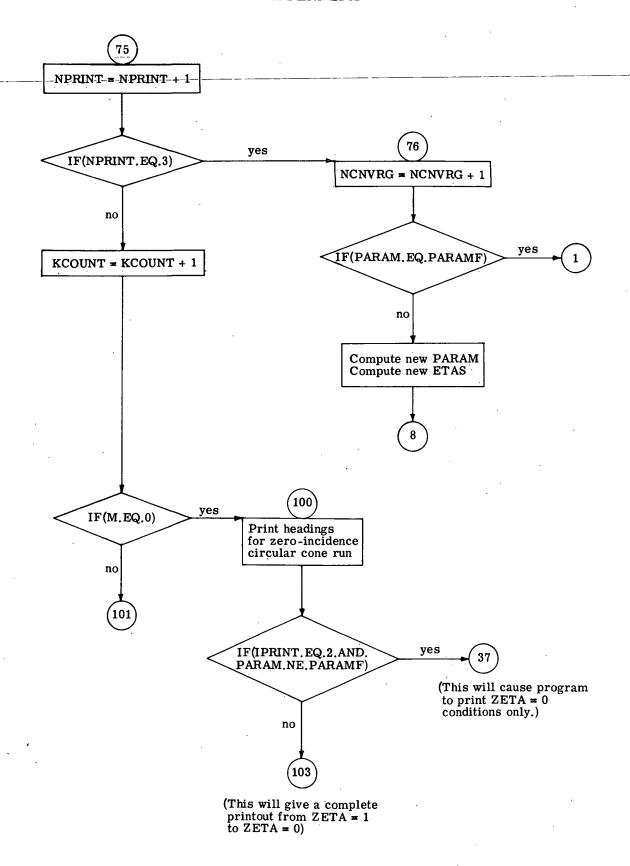
## A flow chart of the computer program is given:

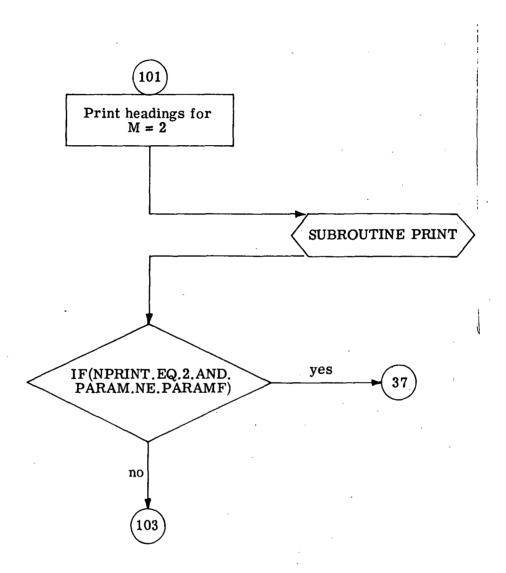


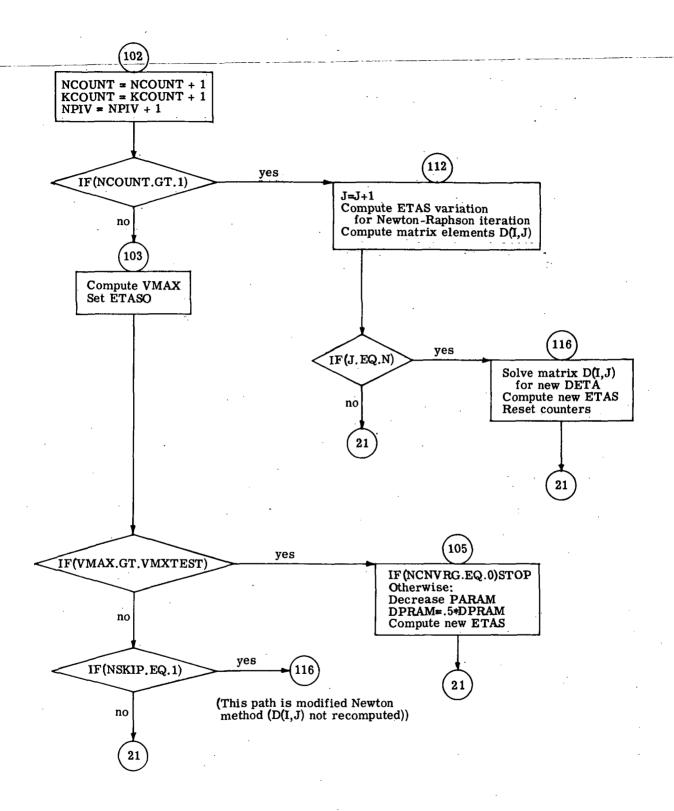












#### SAMPLE COMPUTATIONS

Two computations are presented which illustrate the operation of the program. The first computation makes use of the built-in approximate shock shape to start the calculations for the zero-incidence circular cone after which T is decremented to obtain the solution for an elliptic cone with T=0.6. The second solution uses the converged values of  $\eta_{\rm S}$  for T=0.6 to start computations which increment the angle of attack up to  $4^{\rm O}$ . The central processor times, including compilation, for the first and second cases, respectively, were 171 seconds and 116 seconds on the CDC 6600.

Explanations of sections of the sample-computation output are provided at the end of this appendix. Circled numbers at the left side of each section indicate the appropriate explanatory note. These notes describe the first two sets of computations in the first case, the circular cone at zero incidence and the elliptic cone at zero incidence with T=0.95. The printout for other values of the parameters is similar to that which is annotated.

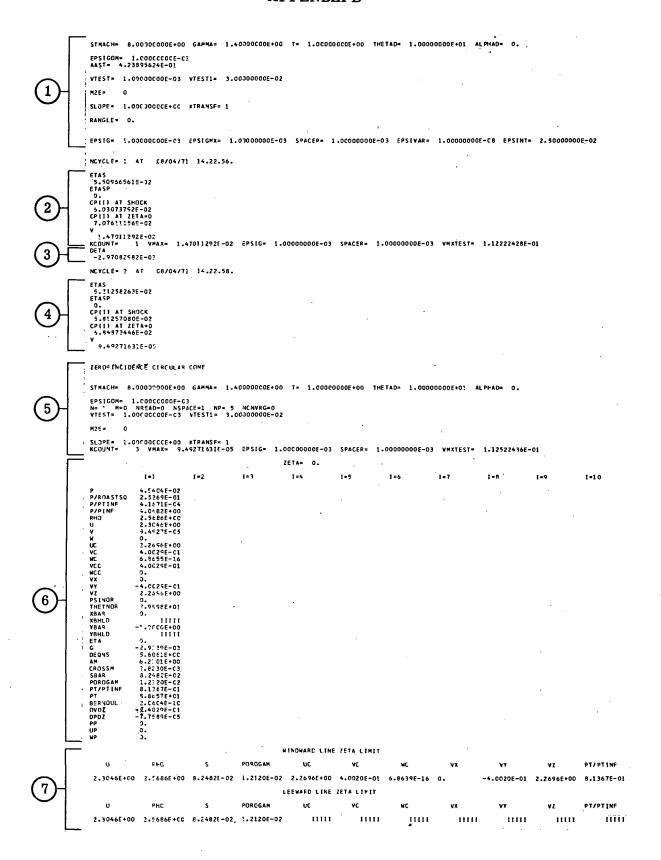
The input for the first case is

Input card	Description
. 1	STMACH = 8.0, GAMMA = 1.4, $T = 1.0$ , THETAD = 10.0, ALPHAD = 0
2	N = 9, $M = 2$ , $NREAD = 0$ , $NSPACE = 1$ , $INCRMT = 1$ , $IPRINT = 2$ ,
	NCNVRGB = 0, KTRANSF = 1, NPLOT = 0, NPUNCH = 1
3	PARAM = 1, $PARAMF = .6$ , $DPRAM1 =05$ , $DPRAM =1$ ,
, •	DPRMIN =05
4	SLOPE = 1.
5	VTEST = .001, VTEST1 = .03
6	$\mathbf{M2E} = 0$

The input for the second case is

Input card	Description
1	STMACH = $8.0$ , GAMMA = $1.4$ , T = $0.6$ , THETAD = $10.0$ , ALPHAD = $0$ .
2	N = 9, $M = 2$ , $NREAD = 1$ , $NSPACE = 1$ , $INCRMT = 2$ , $IPRINT = 2$ ,
	NCNVRGB = 0, KTRANSF = 1, NPLOT = 0, NPUNCH = 0

Input card	Description									
3	PARAM = 0., PARAMF = 4.0, DPRAM1 = 0.5, DPRAM = 2.0,									
	DPRMIN = 0.5									
4	SLOPE = 1.									
5	VTEST = .001, VTEST1 = .03									
6	$\mathbf{M2E} = 0$									
7	ETAS(I) values from first computation for $T = 0.6$									
	Input Cards for First Sample Case									
10000	000+01 14000000+01 10000000+01 10000000+02 00000000+00 2 0 1 1 2 0 1 0 1 0000000+00 -50000000-01 -10000000+00 -50000000-01									
1 • . 00 1	•03									
(,										
	Conical Flow About Elliptic Cones by the Method of Lines									
	With Incrementation of a Parameter									
	N= 9 M=2 NREAD=0 NSPACE=1 NP= 5 NCNVRG=0 NA= 1 ANA= 0. NB= 1 BNB= 0.									



```
M- 9 M-2 NREAD-1 NSPACE-1 NP- 5 NCNVRG-0
Ma= 1 ANA- 0. NB= 1 BNB- 0.
                                                                               0. _. ..
                  _EPSIG=_ 1.00000000E-03 EPSIGHX= 1.0000000E-03 SPACER= 1.00000000E-03 EPSIVAR= 1.00000000E-08 FPSINT= 2.50000000E-02
                 NCYCLE 1 VTEST= 1.00000000E-03 VMAX= 9.49271644E-05 AAST= 4.23895624E-01 PTINF= 1.08960426E+02
                 VTEST= 1.00000000E-03 VTEST1= 3.0000000E-02
                 MSE= 0
                   SLOPE= 1.0000000CE+00 KTRANSF= 1
KCOUNT= 4 VPAX= 9.49271644E-05 EPSIG= 1.000000CE-03 SPACER= 1.0000000E-03 VMXTEST= 1.12522436E-01
                                                                                                 SUPMARY PRINT BLOCK
                                                      1=2
                                                                                         1=4
                                                                                                           1=5
                                                                                                                            I=6
                                                                                                                                              1=7
                                                                                                                                                                I=8
                                                                        I=3
                                  9.0000E+01
                  PSIO
PSISD
XO
YO
XOBAR
YOBAR
XS
YS
XSBAR
ETAS
BETAD
XI
                                                                                                                                                                               9.0000E+01
7.9849E-11
 9
                                                                                                                                                                               1.0444E-10
                   CPSHOCK
                     I
                                TAIL
                                                                                ×Ω
                                                                                                       YO
                                                                                                                             ETAS
                                                                       0. -1.7622698[F-01 5.21258263E-02 -1.70437284E-15 6.74774142E-02 -1.629C4889E-01 5.21258263E-02 -1.78294202E-15 1.2468200E-01 -0.74774142E-02 5.21258263E-02 -1.78294202E-15 1.629C4889E-01 -6.74774142E-02 5.21258263E-02 -3.14659334E-16 1.2496489BE-01 6.74774142E-02 5.21258263E-02 -3.14659334E-16 7.74774142E-02 1.24682004E-01 1.24682004E-01 5.21258263E-02 -3.14659334E-16 7.74774143E-02 1.259C488E-01 5.21258263E-02 -3.14659334E-16 7.74774143E-02 1.279C488E-01 5.21258263E-02 -3.14659334E-16 7.74774143E-02 1.279C488E-01 5.21258263E-02 -3.14659334E-16 7.74774143E-02 1.279C488E-01 5.21258263E-02 -3.14595334E-16 7.74774143E-02 1.279C488E-01 5.21258263E-02 -3.14595335E-15
                        0.
6.81914799E-02
1.36382960E-01
2.04574440E-01
2.72765920E-01
3.40957400E-01
4.0914880E-01
4.77340359E-01
5.45531839E-01
                                               0.
6.81914799E-02
1.36382560E-01
2.0467440E-01
2.72765920E-01
3.40957400E-01
4.0514880E-01
4.77340359E-01
5.45531839E-01
[10]
                                                                                      ZETA= C.
                                 1=2
                                                                                                           1 = 5
                                                                                         1 = 4
                                     I=1
                                                                        1 = 3
                                                                                                                            I=6
                                                                                                                                              1=7
                                                                                                                                                               1=8
                                                                                                                                                                                1=9
                                                                                                                                                                                                  I=10
                 P/RDASTSQ
P/PTINF
P/PINF
RHG
U
V
                   VC
VC
                 VCC
MCC
VY
VY
VZ
PSINOR
THETNOR
XBAR
XBHLO
YBAR
YBHLO
ETA
G
(11)
                   G
DE QNS
AM
CROSSM
                   SBAR
Porogam
                   PT/PTINE
                   BERNOUL
                                                                                       WINCHARD LINE ZETA LIMIT
                                                                                              uc
                                        PHO
                                                                         POROGAM
                                                                                                                vc
                                                                                                                                 HC.
                                                                                                                                                                    VY
                                                                                                                                                                                     ٧٤ .
                                                                                                                                                                                                   PT/PTINE
                                                            s
                    2.3046E+00 2.5686E+C0 8.24P2E-02 1.2120E-02 2.2696E+00 4.0020E-01 5.8639E-16 0.
                                                                                                                                                              -4.0029E-01 2.2696E+00
(12)
                                                                                       LEEWARD LINE ZETA LIMIT
                        U
                                         PHC
                                                            s
                                                                         POPOGAM
                                                                                                                                                                                      ٧Z
                    2.3046E+00 2.568EE+00 8.2482E-0? 1.2120E-02 2.2696E+0C 4.0720E-01 5.1228E-16 1.8123E-10. 4.0020E-01 2.2696E+00 8.1367E-01
                                                                                          FORCE COEFFICIENTS
                                                   TY = 6.26860872E-11 CD= 6.84973446F-02 CL= 6.25860872E-11
ZBAP= 6.06666567F-01 CM= -4.21950720E-11
(13)
                   CZ= 6.84873446E-02 CY=
YBAR= +2.05052C79E-1: Z
```

```
STMACH= 8.000000CCE+00 GAMMA= 1.40000000E+00 T= 9.5C000000E=01 THETAD= 1.000000CCE+01 ALPHAD= 0.
                                                    EPSIGCM= 1.00000000E-03
AAST= 4.23895624E-01
                                                     VTEST= 1.60600000E-C? VTEST!= 3.00000000E-02
                                                     M2 E =
  14
                                                     SLOPE= 1.00000000E+00 KTRANSF= 1
                                                     RANGI F# 0.
                                                     EPSIG= 1.000000CCC=03 EPSIGMX= 1.00000000E-03 SPACER= 1.00000000E-03 EPSIVAR= 1.0000000E-C8 EPSINT= 2.500C0000E-02
                                                   FTAS
5.21258263E-02 5
(15)
                                                     V -1.295803955-02 -1.01038641E-02 -2.26212560E-03 7.CC727059E-C3 1.12901814E-02 7.00722060E-03 -2.26212559E-03 -1.01038641E-02 -1.29580395E-02 -1.29580395E-02 EPSIG= 1.00CC0CCCE-03 SPACER= 1.000000000E-03 VMXTEST= 1.12522436E-01 DETERM= 3.0717C127E-01 DETERM= 3.0717C127E-01
                                                           ETA 1.99315963E-03 1.41672756E-02 2.60993148E-04 -9.01379894E-04 -1.38493720E-03 -9.01380635E-04 2.60994501E-04 1.41672706E-03 1.89315963E-04 2.60994501E-04 1.41672706E-03 1.89315963E-03
(16)
                                                     NCYCLE= 2 AT C8/04/71 14.28.33.
                                                     5.401858599-02 5.35425539E-02 5.23868194E-02 5.12244464E-02 5.07408891E-02 5.12244457E-02 5.23668208E-02 5.35425534E-02 5.07408891E-02 5.12244457E-02 5.07408891E-02 5.0740
                                                     (17)
                                                           2.37647844E-04 -2.585045295-05 -3.03235054E-04 -7.95653304E-05 1.54874302E-04 -7.55735848E-05 -3.03222178E-04 -2.58922999E-05 2.37624468E-04
```

```
N= 9 N=2 NREAD=3 NSPACE=1 NP= 5 NCHVRG=1
NA= 1 ANA= 0. NB= 1 BNB= 0.
                                                 STNACH- 8.0000000000000 00 GAMMA- 1.400000000000 00 T+ 9.500000000-01 THETAD- 1.000000000+01 ALPHAD- 0.
                                                RANGLE ... 0.
   (18)
                                               (EPSIG- 1.00000000E-03 EPSIGHX- 1.0000000000-03 SPACER 1.00000000E-03 EPSIVAR- 1.00000000E-08 EPSIVT- 2.50000000E-02
                                                MCYCLE# 2 VIEST# 1.000000C0E-03 VMAX# 3.03235054E-04 AAST# 4.23895624E-01 PTINF# 1.08560426E+02
                                                VTEST- 1.00000CC0E-C3 VTEST1- 3.00000000E-02
                                                  M2E= 0
                                                   $LDPE= 1.00000000E+00 KTRANSF= 1
KCOUNT= 15 VMAX= 3.03235054E-04 EPSIG= 1.00000000E-03 SPACER= 1.00000000E-03 VMXTEST= 1.12670063E-01
                                                                                                                                                                                                                                                           SUMMARY PRINT BLOCK
                                                                                                                                                                                                                                                                                     I =5
                                                                                                  [=]
                                                                                                                                                (=2
                                                                                                                                                                                           [=3
                                                                                                                                                                                                                                         1=4
                                                                                                                                                                                                                                                                                                                                  I=6
                                                                                                                                                                                                                                                                                                                                                                              1=7
                                                                                                                                                                                                                                                                                                                                                                                                                           1=8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1=9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   I=10
                                                                                           7-9.0000E+01 -6.4984E+01 -4.4286E+01 -2.2006E+01 -7.3995E-09 2.2006E+01 4.4286E+01 6.694E+01 -9.0000E+01 -6.7475E+01 -4.4972E+01 -2.2486E+01 -7.3792E-09 2.2488E+01 4.4972E+01 6.7475E+01 0. 6.5998E-02 1.2303E-01 1.6228E-01 1.7633E-01 1.2328E-01 1.230E+01 0.576E-02 -2.2772E-11 6.5576E-02 -2.2772E-01 6.5773E-01 6.57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.0000E+01
9.0000E+01
4.1534E-11
1.6751E-01
2.3555E-10
9.5000E-01
5.4124E-12
2.2361E-01
3.0695E-10
                                                  PS 10
PS 15D
XD
 (19)
                                                    YSBAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.2681E+00
                                                                                                                                                                                                                                                                                                                                                                                                                                                              5.4019E-02
1.2604E+01
5.3237E-01
                                                    BETAD
                                                    CESHUCK
                                                                                                                                                                                        0. -1.67510632E-01 5.40189859E-02 5.7C737848E-16
6.59891976E-02 -1.55337724E-01 5.35425539E-02 -1.34483821E-02
1.23028049E-01 -1.19958589E-01 5.23868194E-02 -1.91180718E-02
1.62254180E-01 6.5576052E-02 5.12244464E-02 -1.35862694E-02
1.62254180E-01 6.5576052E-02 5.12244457E-02 1.3586269E-02
1.23028049E-01 1.19958589F-01 5.23868208E-02 1.91180739E-02
4.15336541E-11 1.67510632E-01 5.40189859E-02 -1.72370963E-14
                                                                    0.
6.65459501E-02
1.33091900E-01
1.99637850E-01
2.66183801E-01
3.32729751E-01
3.99275701E-01
                                                                                                                                0.
6.65459501E-02
1.33091900E-01
1.99637850E-01
2.66183801E-01
3.32729751E-01
3.99275701E-01
  20
                                                                     4.65821651E-G1
5.32367501E-01
                                                                                                                              4.65821651E-01
5.32367601E-01
                                                                                                                                                                                                                                 ZETA= O.
                                                                                         1-! 1-2 1-3 1-4 1-5 1-6 1-7 1-8 1-9

4.2719E-02 4.3006E-02 4.3766E-02 4.4638E-C2 4.5039E-02 4.4638E-02 4.3766E-02 4.3006E-02 4.2719E-02 2.3774E-C1 2.3934E-01 2.4357E-01 2.4937E-01 2.4937E-01 2.4937E-01 2.4937E-01 2.4937E-01 2.4937E-01 2.4937E-01 2.3934E-01 2.3934E-01 2.3934E-01 2.3934E-01 3.9206E-04 3.9206E-02 2.5918E-00 2.5918E-00 2.5918E-00 2.4751E-00 2.4633E-00 2.3075E-00 2.2775E-00 3.6475E-01 3.6936E-01 3.6936E
                                                                                                                                                                                                                                                                                                                                                                                                                           1=8 ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        [=0
                                                                                                    1=2
                                                                                                                                                 1=2
                                                                                                                                                                                             1=3
                                                                                                                                                                                                                                      1=4
                                                                                                                                                                                                                                                                                      1=5
                                                                                                                                                                                                                                                                                                                                  1=6
                                                                                                                                                                                                                                                                                                                                                                              1=7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1=10
                                                  P/ROASTSQ
P/PTINF
P/PINF
RHO
                                                U V V UC VC VC WC C VX VY VZ INOR THET NOR XBAR XBHLD
(21)
                                                   YBAR
YBHLD
ETA
                                                  G
DE QN S
                                                  AM
CROSSM
                                                    SBAR
POROGAM
                                                    PT/PTINF
                                                  PT
BERNOUL
DVDZ
DPDZ
PP
UP
WP
                                                                                                                                                                                                                                  WINCHARD LINE ZETA LIMIT
                                                                                                          FHO
                                                                                                                                                        s
                                                                                                                                                                                            PORDGAM
                                                                                                                                                                                                                                                UC
                                                                                                                                                                                                                                                                                                VC
                                                                U
                                                                                                                                                                                                                                                                                                                                            WC.
                                                                                                                                                                                                                                                                                                                                                                                         ٧x
                                                                                                                                                                                                                                                                                                                                                                                                                                  VY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ٧z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PT/PTINE
                                                     2.3084E+00 2.4786E+00 7.1462E-02 1.1987E-02 2.2767E+0C 3.8136E-01 6.5409E-15 0.
                                                                                                                                                                                                                                                                                                                                                                                                                       -3.8736E-01 2.2767E+00 8.3639E-01
 22
                                                                                                                                                                                                                                 LEEWARD LINE ZETA LIMIT
                                                                                                                                                                                                                                                   uc
                                                                                                                                                                                                                                                                                                VC.
                                                                 u
                                                                                                          SHO
                                                                                                                                                       S
                                                                                                                                                                                          POROGAM
                                                                                                                                                                                                                                                                                                                                            WC.
                                                                                                                                                                                                                                                                                                                                                                                         VX
                                                                                                                                                                                                                                                                                                                                                                                                                                      vv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   v,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PT/PTINE
                                                      2.3084E+00 2.4766E+00 7.1462E-02 1.1987E-02 2.2767E+00 3.0236E-01 -9.2202E-12 9.4588E-11 3.0136E-01 2.2767E+00 8.3639E-01
                                                                                                                                                                                                                                         FORCE COEFFICIENTS
                                                    CZ= 6.53537194E-02 CY= 3.03431525E-10 CD= 6.53537194E-02 CL= 3.03431525E-10
YBAR= -8.83952681E-11 ZBAR= 6.6666567E-01 CM= -2.08C64643E-10
```

```
STMACH= 8.00000CCC5+00 GAPMA= 1.400000000+00 T= 9.C0000000-01 THETAD= 1.00000000+01 ALPHAD= 0.
 EPSIGDM= 1.COOCCOGE-C3
AAST= 4.23895624E-Q1
 VTEST= 1.00000CCCE-03 VTEST1= 3.0000000E-02
 MZE= G
  SLOPE= 1.00000CCCE+CO KTRANSF= 1
 RANGLE= C.
  INTONT= 548
 EPSIG= 1.00000000E-03 EPSIGMX= 1.00000000E-03 SPACER= 1.00000000E-03 EPSIVAR= 1.00000000E-08 EPSINT= 2.50000000E-02
 NCYCLE= 1 AT 08/04/71 14.29.23.
ETAS
5.59;21456E-02
5.49552814E-02
5.69121456E-02
ETASP
-7.49559377E-13
-2.75714772E-02
-3.91953075E-02
-2.78541699E-02
-1.86977596E-08
2.78542C09E-02
3.91953124E-02
2.75714487E-02
-1.6519337E-02
4.9500375E-02
-2.186977596E-08
2.78542C09E-02
3.91953124E-02
2.75714487E-02
-2.1919428E-15
-2.1919438E-15
-2.1
     5.78802328E-02 5.88228886E-02 6.15368C96E-C2 6.5167:153E-02 6.70626822E-02 6.51675142E-02 6.15368124E-02 5.88228875E-02 5.78802322E-02
 ETA
1.34247153E-C< 1.965C3280E-04 2.2359680TE-04 7.34915189E-C5 -3.26T04956E-05 7.34936784E-05 2.23593524E-04 1.96503899E-04
1.34346843E-04
 NCYCLE = 2 AT C8/04/71 14.34.45.
 ETAS 5.50464927E-02 5.51557847E-02 5.28734094E-02 5.03965580E-C2 5.03965587E-02 5.03965587E-02 5.28734088E-02 5.51557843E-02 5.51557843E-02 5.51557843E-02 5.03965587E-02 5.0396587E-02 5.03965587E-02 5.0396587E-02 5.0396587E-
     -1.93618346E-C6 1.13209254E-C6 2.74780192E-06 -5.90074459E-06 1.99749039E-07 -5.89223510E-C6 2.74207456E-06 1.12796235E-06 -1.93494933E-C6
```

```
N= 9 H=2 NREAC=1 NSPACE=) NP= 5 NCNVRG=2
NA= 1 ANA= 0. NB= 1 RNB= 0.

STMACH= 8.00300000CE+00 GAMMA= 1.40300000E+00 T= 9.00000D0CE-01 THETAD= 1.000000C0E+01 ALPHAD= 0.

RANGLE= 0.
 EPSIG= 1.00000000E-03 EPSIGMX= 1.00000000E-03 SPACER= 1.00000000E-03 EPSIVAR= 1.00000000E-C8 EPSIVE= 2.50000000E-02
 . VTEST= 1.00C00CC0E-03 VTEST1= 3.00000000E-02
  SLOPE= 1.00000000E+00 KTRANSF= 1
KCOUNT= 26 VMAX= 5.50074459E-06 EPSIG= 1.00000000E-03 SPACER= 1.00000000E-03 VMXTEST= 1.12826425E-01
                                                                                                                                                                                             SUMMARY PRINT BLOCK
                                                                                                                                                                                                                                                                                                                                                                                                                                      1-10
                                                                                                                                                                                                                      [=5
                                               I=1
                                                                                       I=2
                                                                                                                                  1=3
                                                                                                                                                                           1=4
                                                                                                                                                                                                                                                                                                         1=7
                                                                                                                                                                                                                                                                                                                                                  1=8
                                                                                                                                                                                                                                                                                                                                                                                            1=9
                                       -9.0000E+01 -6.641E+01 -4.3527E+01 -2.1507E+01 -2.2776E-09 2.1507E+01 4.3527E+01 6.641E+01 9.0000E+01 -0.0000E+01 -6.7460E+01 -4.4972E+01 -2.2555E+01 2.2555E+01 4.4972E+01 6.7460E+01 9.0000E+01 0. 6.494E-02 1.2128E+01 1.6152E-01 1.7633E-01 1.6152E-01 1.2128E-01 1.4770E-01 1.520E-01 1.270E-01 1.200E-01 1.270E-01 1.200E-01 1.4770E-01 1.5869E-02 1.200E-01 1.4770E-01 1.580E-01 3.6576E-01 3.6576E-0
    YOBAR
XS
   XSBAP
   BETAD
    CDSHUCK
                                                                                                                                                                                                                                                                                                                     ETASP
                 0. -1.58694283E-01 5.6046427E-02 -7.96468565E-15
6.49174759F-02 6.49174769F-02 6.4938945E-02 -1.47688C39F-01 5.5157847E-02 -2.647646857E-02
1.29834954E-01 1.29834954E-01 1.21278822E-01 -1.15198564E-01 5.28734074E-02 -4.02441731E-02
1.94752431E-01 2.5966907E-01 1.61523466E-01 -6.264E3536F-02 5.39865580E-02 -3.03465215E-02
2.5966907E-01 2.5966907E-01 1.76326981E-01 7.CC940347E-12 4.93232814E-02 7.69344303E-09
3.7658738E-01 3.89504861E-01 1.21276822E-01 1.15196464E-01 5.28734098E-02 4.02441625E-02
3.89504831E-01 3.89504861E-01 5.47698039E-01 5.5157843E-02 4.02441625E-02
5.19339315E-01 5.15339815E-01 9.35185349E-12 1.58654283E-01 5.60464924E-02 -3.41545646E-15
                                                                                                                                                                     ZETA= O.
                                                                                                                                                                                                                                                                                                          1-= 7
                                                1=1
                                                                                          1=2
                                                                                                                                                                      I=4
                                                                                                                                                                                                                     T=5
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                                       RHO
  W
UC
VC
VC
WCC
WCC
VX
VY
VZ
PSINDR
THETNOR
XBAR
XBHLD
YBAR
    YBAR
YBHLD
                                       -9.000E-01 9.000E-01 9.000
    ET4
   DEGNS
    CROSSM
    SBAR
POROGAM
PT/PTINE
PT
    BERNOUL
   DVDZ
                                                                                                                                                                      WINDWARD LINE ZETA LIMIT
                                                                                                                                                                            uc
                                                                                                                                                                                                                                 VC.
           u
                                                   PHO
                                                                                            S PORCGAM
                                                                                                                                                                                                                                                                       ¥C.
                                                                                                                                                                                                                                                                                                                 VX
                                                                                                                                                                                                                                                                                                                                                         VY
                                                                                                                                                                                                                                                                                                                                                                                                       V7
                                                                                                                                                                                                                                                                                                                                                                                                                                       PT/PTINE
     2.3120E+00 2.3980E+00 6.1261E-02 1.1866E-02 2.2834E+0C 3.6236E-01 6.2150E-16 0.
                                                                                                                                                                                                                                                                                                                                             -3.6236E-01 2.2834E+00 8.5800E-01
                                                                                                                                                                 LEEWARD LINE ZETA LIFIT
                                                                                                                                                                      uc vc
                                                RFD S
                                                                                                                                   PORCGAM
                                                                                                                                                                                                                                                                           WC
                                                                                                                                                                                                                                                                                                                                                            VY
                                                                                                                                                                                                                                                                                                                                                                                                         ٧z
                                                                                                                                                                                                                                                                                                                                                                                                                                       PT/PTINF
      2.3120E+00 2.38865+00 6.1261E-02 1.1866E-02 2.2834E+00 3.6236E-01 -4.0575E-12 2.1354E-11 3.6236E-01 2.2834E+00 8.5800E-01
                                                                                                                                                                              FORCE COEFFICIENTS
    C2= 6.22307376F-C2 CY= 3.45491988E-10 CD= 6.22307376E-02 CL= 3.45491988E-10 YBAR= -9.476E3764E-11 ZBAR= 6.63666567E-01 CM= -2.36275497E-10*
```

```
STMACH= 8.0000000CE+00 GAMMA= 1.4000000CE+00 T= 8.CC000000CE-01 THETAD= 1.000000CCE+01 ALPHAD= 0.
EPSIGCM= 1.000C0000E-03
AAST= 4.23895624E-01
 VfEST= 1.C0000000E-C3 VTEST1= 3.00000000E-02
 SLOPE= 1.00000CCCE+00 KTRANSF= 1
 RANGLE- 0.
 INTENT= 534
 EPSIG= 1.00000000E-03 .EPSIGMX= 1.00000000E-03 SPACER= 1.0000000E-03 EPSIVAR= 1.00000000E-08 EPSIMT= 2.50000000E-02
 NCYCLE= 1 AT 08/04/71 14.35.36.
ETAS
6.0504477E-02
6.0504477E-02
6.050447FE-02
6.050447FE-
    -1.94853445E-03 2.33063061E-04 2.27762106E-03 9.19976049E-04 -1.02281102E-03 9.20089324E-04 2.27747291E-03 2.33050669E-04 -1.9484496TE-03
 ECOUNT 2.279647676-03 VMXTEST 1.131672776-01 NCOUNT 2.27964176-01 NCOUNT 2.27936476-01
DETA 7.47246962E-05 -9.24857545E-05 -2.16195374E-04 -1.38775927E-04 1.22280609E-05 -1.38785586E-04 -2.16141046E-04 -9.24865536E-05 7.47272115E-05
"NCYCLE= 2 AT 08/04/71 14.40.43.
ÉTÁS
6.05792724E-02 5.88792705E-02 5.43C72244E-02 4.88224799E-02 4.64032826E-02 4.88224802E-02 5.43C72244E-02 5.88792714E-02
6.መያለያያንንያዊ ጨር
ETÁSP
 3.58526017E-06 -4.12837365E-06 -1.79487195E-06 -8.10913418E-06 3.58526017E-06 -4.12837365E-06 3.64161159E-06
```

```
N= 9 M=2 NREAC=1 NSPACE=1 NP= 5 NCNVRG=3
NA= 1 ANA= 0. NB= 1 8NB= 0.
    RANGLE= 0.
    EPSIG= 1.00000000E-03 EPSIGMX= 1.00000000E-03 SPACEP= 1.00000000E-03 EPSIVAR= 1.00000000E-08 EPSIMT= 2.50000000E-02
    NCYCLE= 2 VIEST= 1.00000000E-G3 VMAX= 8.11137010E-C6 AAST= 4.23895624E-01 PTINF= 1.08960426E+02
    VTEST= 1.00030CCCE-C3 VTEST1= 3.CC3000C0E-02
.SLJPE= 1.00000000E+00 KTRANSF= 1
KCOUNT= 37 VMAX= 8.11137010E-06 EPSIG= 1.00000000E-03 SPACER= 1.00000000E-03 VMXTEST= 1.13165686E-01
                                                                                                                                                                                                                             SUPRARY PRINT BLOCK
                                                         1=:
                                                                                                        1=2
                                                                                                                                                         1=3
                                                                                                                                                                                                         I = 4
                                                                                                                                                                                                                                                          1=5
                                                                                                                                                                                                                                                                                                          I=6
                                                                                                                                                                                                                                                                                                                                                          1=7
                                                                                                                                                                                                                                                                                                                                                                                                           1=8
                                                                                                                                                                                                                                                                                                                                                                                                                                                            1=9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            I=10
                                                 -9.0000E+Cl -6.5053E+Ol -4.1838E+Ol -2.0481E+Ol 5.0788E+O9 2.0481E+Ol 4.1838E+Ol -9.0009E+Ol -6.7460E+Ol 4.1838E+Ol -2.2657E+Ol 5.6744E+O9 2.2657E+Ol 4.5081E+Ol 0. 6.1500E+Ol 1.1749E+Ol 1.5977E+Ol 1.7633E+Ol 1.5977E+Ol 1.749E+Ol 0. 1.530E+Ol 1.5930E+Ol 1.5930E+Ol 5.6744E+O9 9.0611E+Ol 4.5081E+Ol 0. 1.530E+Ol 1.5930E+Ol 1.2505E+Ol 1.2505E+O
                                                                                                                                                                                                                                                                                                                                                                                                      6.5053E+01 9.0000E+01
6.74-00E+01 9.0000E+01
6.1500E+02 -3.7834E-11
1.3220E+01 1.4106E+01
2.4878E+01 -2.1457E+10
7.4976E+01 8.0000E+01
7.4975E+02 -4.8662E+11
1.9032E+01 2.0346E+01
4.4601E+01 -2.7598E+10
                                                                                                                                                                                                                                                                                                                                                                                                      1.9035E-01
4.48C1E-01
1.0794E+00
5.8879E-02
1.1622E+01
4.3204E-01
4.1600E-02
4.9750E-02
    YSBAR
ETAS
BETAD
     CPSHOCK
                                                                                                                                                                              'xn
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                                                                                                                                                                                                                                                                                                           FTAS
                                                                                                                                                                                                                                                                                                                                                                        FTASP
                                                                                       0. -1.41061585E-01 6.05792724E-02 4.22350471E-15 6.12206808E-02 5.14995678E-02 -1.22203497E-01 5.88792705E-02 -5.41682213E-C2 1.27441362E-01 1.17488020E-01 -1.05186370E-01 5.43072244E-02 -8.94869352E-02 2.46882727E-01 1.76326981E-01 5.56300545E-11 4.64032826E-02 3.6541834E-05 3.08603404E-01 1.56771228E-01 5.9637074E-02 4.88224799E-02 7.17948767E-02 3.70324685E-01 1.17488020E-01 1.56300545E-11 4.64032826E-02 3.6541834E-05 3.70324685E-01 1.17488020E-01 1.05186370E-01 5.43072244E-02 8.94869403E-02 4.32044765E-01 5.4895677E-02 1.2203497E-01 5.8987971E-02 5.41682271E-02 4.93765446F-01 -3.78342080E-11 1.41061585E-01 6.05792731E-02 8.51495962E-15
                       0.17205808E-02
1.23441362E-01
1.85162042E-01
2.46882723E-01
3.08603404E-01
                                                                                                                                                                                                  ZE1A= 0.
                                                                                                                                                                                                                                                                                                                                                           I=7 ·
                                                          [+]
                                                                                                          1=2
                                                                                                                                                          1=3
                                                                                                                                                                                                      1=4
                                                                                                                                                                                                                                                            1=5
                                                                                                                                              I=2
3.533E-C2 3.6C36E-02
1.9C64E-01 2.0C55E-01
3.2427E-C4 3.2C72E-04
3.1c52E-6C 3.2C32E+00
2.1s20E+00 2.1926E+00
3.6557E-C6 -4.1337E-06
2.2576E-13 -3.2469E-02
2.2932E+00 2.2513E+00
3.2348E-C1 3.303E-01
2.3C31E-13 1.6144E-02
2.2932E+00 2.2513E+00
2.2576E-13 1.0296E-01
2.2932E+00 3.2036E-01
2.2932E+00 3.2036E-01
2.293E-01 3.31219E-01
2.2932E+00 2.2031E+00
5.7406E-12 2.7432E+00
3.1971E+C1 8.2526E+01
0. -21457E-10
-8.0C00E-01 7.4976E-01
-8.0C00E-01 8.0C00E-01
     P/ROASTSQ
P/PTINF
P/PINF
   RHO
U
V
W
UC
VC
WCC
WCC
VX
VY
VZ
THETNOR
THETNOR
XBAL
YBHLD
YBHLD
YHHLD
ETA
                                                -8.000E-01 8.000E-01 8.000E-01 8.000E-01 8.0000E-01 8.0000E-01 8.0000E-01 8.000E-01 8.00E-01 8.00E-01
     G
DE QNS
     AM
CROSSM
     SBAR
POROGAM
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BFRNOUL
                                                                                                                                                                                                    WINDWARD LINE ZETA LIMIT
                                                                                                                                                                                                                 uc
                                                                                                                                                                                                                                                                      νc
                   U
                                                                 PHC
                                                                                                                  S
                                                                                                                                                          PORDGAM
                                                                                                                                                                                                                                                                                                                     WC
                                                                                                                                                                                                                                                                                                                                                                       ٧x
                                                                                                                                                                                                                                                                                                                                                                                                                     VY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ٧Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PT/PTINE
        2.3189E+00 2.7091E+00 4.3449F-02 1.1656E-02 2.2960E+00 3.2388E-01 5.5550E-16 0.
                                                                                                                                                                                                                                                                                                                                                                                                        -3.2388E-01 2.2960E+00 8.9707E-01
                                                                                                                                                                                                  LEEWARD LINE ZETA LIMIT
                                                                                                                                                                                                                                                                       vc
                   U
                                                                 SHC
                                                                                                              S
                                                                                                                                                          PRROGAM
                                                                                                                                                                                                                                                                                                                       WC
                                                                                                                                                                                                                                                                                                                                                                       ٧x
                                                                                                                                                                                                                                                                                                                                                                                                                       vv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ٧Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DT/DTINE
         2.3189E+00 2.20815+00 4.3449E-02 1.1656E-02 2.2960F+00 3.2388E-01 3.1275E-11 -8.6868E-11 2.2388E-01 2.2960E+00 8.9707E-01
                                                                                                                                                                                                             FORCE COEFFICIENTS
      CZ= 5.58778043F-02 CY= -1.15912119E-09 CD= 5.58778042E-02 CL= -1.15912119E-09
YBAR= 2.735567F6F-10 ZBAR= 6.66606667E-01 CF= 7.88C33212E-10 **
```

```
EPSIGOM= 1.000C0C0C0E-C3
  YTEST= 1.00000000E-03 VTEST1= 3.00000000E-02
 MZE= C
  SLOPE: 1.00CQOCCOE+CO KTRANSF= 1
   RANGLE - 0.
  INTENT= 542
 _EPSIG=_ 1,00000000E-03 EPSIGMx= 1.0000000E-03 SPACEF= 1.0000000CE-03 EPSIVAR= 1.0000000CE-C8 EPSINT= 2.50000000E-02
    NCÝCLE- 1 AT 08/04/71 14.41.33.
 ETAS
6.57490737E-02
6.57490737E-02
6.57490737E-02
6.57490737E-02
ETASP
2.06221158E-15
-4.0811042EE-15
-4.0811042EE-15
-7.07121158E-15
-4.0811042EE-15
-4.08110
   Y 1.06714185E-03 1.02873411E-04 -2.01853932E-03 -5.14720956E-04 -4.90439374E-04 -5.14773373E-04 -2.01846954E-03 1.02912137E-04 1.04711490E-03 1.02912137E-04 1.04711490E-03 1.02912137E-04 1.04711490E-03 1.02912137E-04 1.00000000E-03 VMXTEST= 1.13543428E-01 0ETERM= 1.61954078E-01 0ETERM= 1.61954078E-01 0ETERM= 1.61954078E-01
         :/A
6.42158908E-05 9.12949475E-06 2.61804489E-04 6.90076870E-05 1.50031559E-04 6.90119831E-05 2.6179682E-04 9.12565645E-06
6.42114643E-05
    NCYCLE= 2 AT 08/04/71 14.46.44.
      6,58132896E-02 6.32745845E-02 5.66170239E-02 4.742634C9E-C2 4.35202708E-02 4.74263410E-02 5.66170227E-02 6.32745843E-02 6.58132889E-02
  6.58132898-02
ETASP
1.37480772E-15 -8.20542882E-02 -1.48541466E-01 -1.26412054E-01 2.58082281E-09 1.26412041E-01 1.48541463E-01 8.20542939E-02
-8.55287937E-15
EPI(1 AT SHOCK
3.25540427E-02 3.46818664E-02 3.96488275E-02 4.61410855E-02 5.19556313E-02 4.61410854E-02 2.96488267E-02 3.46818663E-02
-3.25540427E-02 3.46818664E-02 3.96488275E-02 4.61410855E-02 5.19556313E-02 4.61410854E-02 2.96488267E-02 3.46818663E-02
-3.25540427E-02 3.46818664E-02 3.96488275E-02 5.51676752E-02 6.39200737E-02 5.51670748E-02 4.6641098E-02 4.10207947E-02
-3.96612633E-02
     -1.65205243E-06 -2.87239876E-06 2.71192694E-06 -2.76485214E-06 -4.63137971E-07 -2.76422458E-06 2.70187141E-06 -2.87419557E-06 -1.65065455E-06
```

```
N= 9 N=2 NREAD=1 NSPACE=1 NP= 5 NCNVRG=4
NA= 1 ANA= 0. NB= 1 BNB= 0.
 $$MACH= 8.000000006+00 GAMMA= 1.400000006+00 T= 7.0000000E-01 THETAD= 1.00000000E+01 ALPHAD= 0.
 RANGLE- 0.
MCYCLE* 2 VTEST* 1.00000000E-03 VMAX* 2.87419557E-C6 AAST* 4.23895624E-01 PTINF* 1.08960426E-02
  VTEST= 1.0000000000-03 VTEST1= 3.00000000-02
  M2E= 0
SLIPE= 1.0000000CE+00 KTRANSF= 1
_KCOUNT= 48 VMAX= 2.87415557E-06 EPSIG= 1.00000000E-03 SPACER= 1.00000000E-03 VMXTEST= 1.13524119E-01
                                                                                                               SUPPARY PRINT BLOCK
                           [=1
                                                    1=2
                                                                              I=3
                                                                                                      1=4
                                                                                                                               1=5
                                                                                                                                                        I=6
                                                                                                                                                                                1 = 7
                                                                                                                                                                                                         1 = 8
                                                                                                                                                                                                                                  1=9
                                                                                                                                                                                                                                                           1=10
                       -9.0000E+01 -6.3310E+01 -3.9832E+01 -1.9352E+01 7.5264E-09 1.9392E+01 3.9832E+01 6.3310E+01 9.0000E+01 -0.0000E+01 -6.7507E+01 -4.5277E+01 -2.2981E+01 9.0779E-09 2.2981E+01 4.5277E+01 6.7507E+01 9.0000E+01 0.5853E-02 5.8532E-02 1.335E-01 1.3753E-01 1.5753E-01 1.5753E-01 1.353E-01 5.8552E-02 -5.6837E-11 0.3316E-01 -5.456E-02 5.5450E-02 2.3162E-11 5.5450E-02 9.4546E-02 1.1643E-01 1.2342E-01 0. 3.3195E-01 6.4284E-01 8.9341E-01 1.0000E+00 8.9341E-01 6.4284E-01 3.3195E-01 -1.9782E-01 0. 3.3195E-01 6.4284E-01 8.9341E-01 1.0000E+00 8.9341E-01 6.4284E-01 3.3195E-01 7.0000E-01 -7.000E-01 -6.6031E-01 1.3445E-01 1.3316E-10 3.1447E-01 1.3316E-10 1.5450E-02 6.6031E-01 7.0000E-01 -1.900E-01 -1.7942E-01 1.4742E-01 1.390E-01 1.3316E-10 1.4322E-01 1.4742E-01 1.3462E-01 1.3462E-01 1.4742E-01 1.3462E-01 1.4742E-01 1.3462E-01 1.4742E-01 1.4742E
 P$10
P$150
XO
YO
  YO
XOBAR
YOBAR
XS
YS
XSBAR
YSBAR
ETAS
BETAD
  XI
CPSHOCK
CPBODY
      1
                     TAIL
                                                                                        χO
                                                                                                                          YO
                                                                                                                                                        FTAS
                                                                                                                                                                                       FTASP
           1 2 3 4 5 6 7
                                                                                                  ZETA= C.
                       1=4
                                                                                                                                                                                                                                   [ = q
                             1=1
                                                     1=2
                                                                              1=3
                                                                                                                               I =5
                                                                                                                                                       I=6
                                                                                                                                                                                1=7
                                                                                                                                                                                                         1=8
                                                                                                                                                                                                                                                           1=10
  P
P/ROASTSQ
  ACC
ACC
ACC
ACC
ACC
  PSINOR
THETNOR
XBAR
   XBHLD
   YRAD
  YBHLD
ETA
 G
DEQNS
AM
CROSSM
SBAR
POROGAM
PT/PTINE
  PT
BERNOUL
  DVDZ
                                                                                                  WINDWARD LINE ZETA LIMIT
                                 PHO
                                                     s
                                                                              PORDGAM
                                                                                                       υC
                                                                                                                              VC
                                                                                                                                                              WC
    2.3250E+00 2.C314E+00 2.9125E-02 1.1491E-02 2.3075E+C0 2.8481E-01 4.8849E-16 0.
                                                                                                                                                                                                       -2.8481E-01 2.3075E+00 9.2977E-01
                                                                                                  LEEWARD LINE ZETA LIMIT
                                                                                                  uc vc
                                                  s
                                                                           POROGAM
         U
                                PFO
                                                                                                                                                             MC
                                                                                                                                                                                  VX
                                                                                                                                                                                                             VY
                                                                                                                                                                                                                                        ٧Z
                                                                                                                                                                                                                                                           PT/PT INF
   2.32506+00 2.03146+00 2.9125E-02 1.1491E-02 2.30755+00 2.8481E-01 -1.3011E-10 2.8481E-01 2.30756+00 9.2977E-01
                                                                                                        FORCE COFFEICIENTS
  CZ= 4.93030902E-02 CY= 8.4710582IE-10 CD= 4.93030902E-02 CL= 8.4710582IE-10 YBAR= ~1.76233989E-1C ZEAR= 6.666665E-01 CM= -5.73426C94E-10
```

```
STMACH=-8.000000005+0C--GAMMA=-1.40000000E+0C--T=-6.CC000C00E+01 -THETAD=--1.00000000E+01--ALPFAD=-0.0--
EPSIGEM= 1.000000000=03
AAST= 4.23895524E-01
VTEST= 1.COCOGCOGE-03 VTEST1= 3.COOOGOODE-02
M?F=
SLIPE = 1.000000000E+CC FTRANSF= 1
RANGLE= 0.
INTENT= 535
EPSIG= 1.00000000E-03 EPSIGMX= 1.00000000E-03 SPACER= 1.00000000E-03 EPSIVAR= 1.00000000E-08 EPSINT= 2.50000000E-02
NCYCLE= 1 AT 08/04/71 14.47.36.
ETAS 7.17495442E-02 6.83417268E-02 5.98028C79E-02 4.62081412E-02 4.06742459E-02 4.62081411E-02 5.98028037E-02 6.83417230E-02 FTASP
V
-5.95435703E-04 8.56580725E-04 -1.04556122E-03 1.06644452E-05 -3.11654826E-03 1.06655817E-05 -1.04559695E-03 8.96552226E-04
-5.954464112E-04
KCOUNTE 49 VMAX= 3.11654826F-03 EPSIG= 1.00000000E-03 SPACER= 1.00000000E-03 VMXTEST= 1.13901763E-01
DETERM= 1.02596375E-01
DETA
  E FA
2.267495065-04 -1.50C;2641E-04 3.04148110E-C4 2.11108647E-05 3.96943556E-04 2.11107987E-05 3.04152947E-04 -1.50CC7970E-04
2.26733718E-04
NCYCLE= 2 AT 08/04/71 14.53.44.
ETAS
7.:3752927E-02 6.81917]42E-02 6.01069560E-02 4.6229252CE-C2 4.1C711895E-02 4.62292519E-02 6.01069567E-02 6.81917151E-02
7. D7752935G-02
ETASP
3.762988645-06 -5.767649175-07 -3.18456270E-C6 -1.10974277E-C6 8.35007932E-06 -1.11283905E-06 -3.17889150E-06 -5.69367358E-07 3.765673735-Ce
```

```
N= 9 M=2 MREAC=1 MSPACE=1 NP= 5 NCNVRG=5
NA= 1 ANA= 0. NB= 1 BNB= 0.
   RANGLE - 0.
      EPSIG=_1.00000000E-03 EPSIGMX= 1.0000000QE-03 SPACEP= 1.0000000E-03 EPSIVAR= 1.0000000E-08 EPSINT= 2.50000000E-02
      NCYCLE= 2 VTEST= 1.00000000E-03 VMAX= 8.35007932E-06 AAST= 4.23895624E-01 PTINF= 1.08960426E+02
   VTEST= 1.00000C00E-C3 VTEST1= 3.0C000000E-02
   M2E=
                                         o
    SLOPE= 1.00000C00E+00
KCOUNT= 59 VMAX= 8
                                                                                                   00 KTRANSF# 1
8.35007932E-06 EPSIG# 1.00CG000CE-Q3 SPACER= 1.0000000E-03 VMXTEST# 1.13847636E-01
                                                                                                                                                                                                                                                    SUMMARY PRINT BLOCK
 ..
                                                             1=1
                                                                                                                    I=2
                                                                                                                                                                          [=3
                                                                                                                                                                                                                              1=4
                                                                                                                                                                                                                                                                                                                                                                                            1=7
                                                                                                                                                                                                                                                                                                                                                                                                                                                I = 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1=10
                                                                                                                                                              1=3
1=3
1=4
1=7
1=7365±01 -1.8178E±01 -1.0489E±09
1.0894E±01 1.5468E±01 1.7633E±01
1.0894E±01 1.5468E±01 1.7633E±01
6.3188E±02 -5.07700E±02 -3.2281E±12
6.1784E±01 8.7723E±01 1.0000E±00
4.7178E±01 1.0024E±01 2.1901E±01
1.3555E±01 1.0024E±01 2.1901E±01
1.3555E±01 1.0028E±01 2.1901E±01
7.6932E±01 1.0789E±00 1.2421E±00
7.693E±01 1.0789E±00 1.2421E±00
1.0825E±01 1.500E±01 2.2358E±01
1.1025E±01 1.1500E±01 2.2358E±01
1.1129E±01 1.1500E±01 2.2258E±01
1.1129E±01 1.1500E±01 2.2258E±01
1.1129E±01 2.2258E±02 5.0240E±02
3.7793E±02 4.025E±02 5.0240E±02
3.7793E±02 4.7349E±02 6.2557E±02
                                                                                                                                                                                                                                                                      1=5 1=6 1=7 1=8

-1.4014E-09 1.8178E+01 3.7365E+01 6.1006E+01
-1.4014E-09 2.3470E+01 4.5646E+01 6.7599E+01
1.7633E-01 1.3468E+01 1.0894E+01 5.5675E+02
-3.2281E-12 5.0790E+02 8.3188E+02 1.0039E+01
1.0000E+00 8.7723E+01 6.1784E+01 3.1522E+01
-1.8308E-11 2.8005E+01 4.778E+01 5.0925E+01
2.1901E-01 1.9024E+01 1.3565E+01 6.9525E+02
-5.5568E-12 8.2603E+02 1.3375E+01 1.8867E+01
1.2421E+00 1.0789E+0 7.6932E+01 3.9426E+01
-3.0380E-11 4.6846E+01 7.6867E+01 9.6568E+01
1.2353E+01 1.500E+01 1.0255E+01 1.0270E+01
2.2258E+01 2.7823E+01 3.3388E+01 3.8932E+01
5.0240E-02 4.0205E+02 3.738E+02 2.7038E+02
5.0240E-02 4.0205E+02 3.738E+02 2.2841E+02
                                                     -9.0000E+01 -6.1006E+01

-9.0000E+01 -6.7599E+01

0. 5.5635E-02

-1.0580E-01 -1.0039E-01

0. 3.1552E-01

-6.0000E-01 -5.6935E-01

0. 9525E-02

-1.7926E-01 -1.6867E-01

0. 3.9429E-01

-1.0167E+00 -9.5658E-01

7.1975E-02 6.8192E-02

1.0163E+01 1.0206E+01

0. 5.5646E-02

2.5850E-02 2.7038E-02
    PSID
PSISD
XO
YO
XOBAR
YOBAR
XS
YS
XSBAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.0700E+01
9.0000E+01
-1.2308E-11
1.0580E-01
-6.9870E-11
6.0000E-01
-1.5445E-11
1.7926E-01
-8.7592E-11
       BETAD
      Χī
                                                            0. 5.5646E-UZ
2.5650E-C2 2.7038E-02
3.1948E-02 3.2841E-02
       CPSHOCK
   CPBODY
                                                                                                                                                                                                ΧO
                                                                                                                                                                                                                                                                                                                                        ETAS
                                                                                                                                                                                                                                                                                                                                                                                                         FTASP
1 0. 0. -1.65796188E-01
2 5.56460997E-02 5.5646699TE-02 5.58348315E-02 -1.0391977E-01
3 1.11292199E-01 1.11292199E-01 1.08942518E-01 -8.218764C3E-02
4 1.66938299E-01 1.66938299E-01 1.54678616E-01 -5.07903803E-02
5 2.22584399E-01 2.22584399E-01 1.76236380E-01 -3.22812610E-12
6 2.78230698E-01 2.78230498E-01 1.54678616E-01 5.07903804E-02
7 3.33876598E-01 3.23876598E-01 1.54678616E-01 5.07903804E-02
8 3.89522698E-01 3.23876598E-01 5.55348315E-02 1.0291977E-01
9 4.45168797E-01 4.45168797E-01 -1.23075942E-11 1.05796188E-01
                      n
                                                                                                                                                                                                                                                                                                                7.19752927E-02 -2.97510361E-15
6.81917142E-02 -1.09298213E-C1
6.01069560E-02 -2.16837987E-C1
4.10711895E-02 -3.06864049E-09
4.02292519E-02 -1.95167425E-C1
6.01069567E-02 2.16837998E-01
6.81917151E-02 1.09249214E-C1
7.19752935E-02 -1.43085416E-14
                                                                                                                                                                                                                      ZETA= 1.0CCOCCCCE+00
                                                                                                                                                                                                                                                                     1-1
                                                                                                                    I=2
                                                                                                                                                                          !=3
                                                                                                                                                                                                                             1=4
                                                                                                                                                                                                                                                                                   1=5
                                                                                                                                                                                                                                                                                                                                       I = 6
                                                                                                                                                                                                                                                                                                                                                                                            1=7
                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 = B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1=9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1=10
     . . .
    P/ROASTSQ
P/PTINF
P/PTINF
RHO
U
V
VC
VC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.4086E-02
1.3404E-01
2.2105E-04
2.1581E+00
1.7098E+00
2.3221E+C0
-2.4346E-C1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.70C9E-01
1.8280E-11
                                                                                                                                                                                                                                                                                                                                                                                                                                       WCC.
       PSÍNDR
     PSINOR
THETNOR
XBAR
XBHLD
YBAR
YBHLO
ETA
        DEONS
     DEGNS
AM
CROSSM
SBAR
POROGAM
PT/PTINE
PT
BERNOUL
DPDZ
DVDZ
DVDZ
DWDZ
DWDZ
DWDZ
DWDZ
WP
VP
WP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4.2633E-14
                                                                                                                                                               -2.2805E-01 -2.1699E-01 -2.1217E-01 -2.1699E-01 -2.285E-01 -2.024E-01 -2.036E-01 -1.2061E-01 1.4179E-09 1.2061E-01 1.036E-01 5.7790E-02 2.0880E-01 -9.7623E-02 2.0465E-09 9.7623E-02 -2.0880E-01 -2.2879E-01 -2.036E-01 1.0702E+00 -6.6843E-01 1.0702E+00 -6.6843E-01 1.0702E+00 -6.6843E-01 1.0702E+00 -6.6843E-01 1.070E-02 -2.0360E-01 -
                                                                                                            -2.8268E-04
-1.4515E-03
                                                                1.0254E-31 -1.4515E-03
1.3691E-15 3.1463E-02
1.3199E-13 -5.7790E-02
1.1607E-14 2.2839E-01
1.2398E+00 -1.0702E+00
1.0409E-15 5.8609E-02
        SBARP
```

				ZETA=5.000	:occcoe-01					<del></del>
	1=1	t=2	1=3	[=4	1 = 5	1=6	1=7	1=8	[=9	1=10
Р	2.4775E-C2	2.5344E-02	2.8142E-02	3.2050E-02	3.7291E-02	3.2050E-02	2-8142E-02	2.53446-02	2.4775E-C2	•
P/ROASTSQ P/PTINF	1.3788E-01 2.2737E-04	1.4104E-01 2.3260E-C4	1.5662E-01 2.5828E-04	1.7837E-01 2.9415E-04	2.C753E-C1 3.4225E-04	1.7837E-01 2.9415E-04	1.5662E-01 2.5828E-04	1.4104E-01 2.3260E-04	1.3788E-01 2.2737E-04	
P/PINF RHO	2.2:98E+00 1.7445E+00	2.27C8E+00	2.5215E+00 1.8950E+00	2.8717E+00 2.0585E+00	3.3413E+00 2.2605E+00	2.8717E+00 2.0585E+00	2.5215E+00 1.8950E+00	2.2708E+00	2.2198E+00 1.7446E+00	
Ü .	2.3237E+00	2.3223E+00 -2.1217E-01	2.3171E+00	2.31C9E+CG	2.3053E+00	2.3109E+00 -1.9670E-01	2.3171E+00 -1.9953E-01	2.3223E+00 -2.1217E-01	2.3237E+00 -2.1711E-01	
ù	-2.1711E-C1	-6.5855E-02	-1.1230E-01	-1.2003E-01	5.2273E-10	1.2003E-01	1.1230E-01	6.5855E-02	0.	
VC VC	Z.3769E+00 1.7958E-C1	2.3255E+00 1.8452E-01	2.3189E+00 2.0772E-01	2.3095E+CC 2.4147E-01	2.2574E+C0 2.8189E-01	2.3095E+00 2.4147E-01	2.3189E+00 2.0772E-01	2.3255E+00 1.8452E-01	2,3269E+00 1,7958E-01	
VC C	3.0799E-16 1.7958E-C1	1.5046E-02 1.8379E-01	3.3155E-02 2.0672E-01	3.2795E-02 2.3872E-01	5.3579E-10 2.8189E-C1	-3.2795E-02	-3.3155E-02 2.0672E-01	-1.5046E-02 1.8379E-01	1.8275E-11 1.7958E-01	
WCC	o.	-2.2213E-02	-3.8873E-02	-4.5963E-02	5.2821E-10	4.8963E-02	3.8873E-02	2.2213E-02	9.9858E-12	-
VY VX	0. -1.7558E-C1			-1.3850E-C1	2.8189E-Cl 5.2146E-10	2.0050E-01 1.3850E-01	1.1857E-01 1.7375E-01	5.0856E-02 1.7801E-01	1.7958E-01	
VZ PS I NOR	Z.3269E+C0	2.3255E+00 1.2528E+00	2.3189E+00 2.9271E+00	2.3095E+00 4.9618E+00	2.2974E+00 6.9953E+00	2.3095E+00 4.9618E+00	2.3189E+00 2.9271E+00	2.3255E+00 1.2528E+00	2.3269E+00 -6.3514E-10	
THETNOR	9.5587E+01 0.	8.5624E+01 3.8634E-01	9.5721E+01 7.5404E-01	8.6581E+01 1.0586E+00	9.0000E+01 1.2177E+00	8.6581E+01 1.0586E+00	8.5721E+01 7.5404E-01	8.5624F+01	8.5587E+01 -8.5796E-11	
XBHLD	0.	3.5460E-01	7.3553E-01	1.0441E+00	1.2177E+00	1.0441E+00	7.3553E-01	3.5460E-01	-8.5796E-11	
YBAR YBHL D	-9.7458E-01	-9.1749E-01 -9.2218E-01	-7.5508E-01 -7.6326E-01	-4.5029E-01 -4.6485E-01	-2.9163E-11 -2.9166E-11	4.5029E-01 4.6485E-01	7.55C8E-01 7.6326E-01	\$.1749E-01 9.2218E-01	9.7458E-01 9.7458E-01	
ETA G	6.4778E-02 -2.5448E-C1	6.1373E-02	5.4096E-02	4.1606E-02 -2.9513E-01	3.6964E-02	4.1606E-02 -2.9513E-01	5.4096E-02	6.1373E-02 -2.6721E-01	6.4778E-02 -2.6448E-01	
DEONS	4.74C2E+00	4.8952E+00 6.9859E+00	5.6334E+00 6.8452E+00	6.5776E+CO	9.2943E+00 6.4560E+00	6.9776E+00 6.6678E+00	5.6334E+00 6.8452E+00	4.8952E+00 6.9859E+00	4.7402E+00 7.0162E+00	
AM CROSSM	7.0162E+00 5.5270E-C1	6.6524E-01	6.7312E-01	6.6161E-01	5.7644E-G1	6.6161E-01	6.7312E-01	6.65248-01	6.52 70E-CL	
SBAR PORDGAM	1.9312E-02 1.1367E-02	2.0248E-02 1.1389E-02	2.9951E-02 1.1500E-02	4.4123E-02 1.1664E-02	6.4571E-02 1.1905E-02	4.4123E-02 1.1664E-02	2.9951E-02 1.1500E-02	2.0248E-02 1.1389E-02	1.8312E-02 1.1367E-02	
PT/PTINF PT	9.5525E-C1	5.5064E-01 1.0358E+02	9.2786E-01 1.0110E+02	8.9556E-Cl	8.5093E-01 9.2717E+01	8.9556E-01 9.7580E+01	9.2786E-01	9.5064E-01	9.5525E-01 1.0408E+02	
BERNOUL	0.6078F-10	-1.4036E-C6	-9.4252E-06	2.5311E-C5	1.1720E-10	2.53116-05	-9.4251E-06	-1.4036E-06	6.6079E-10	
DPD Z DUD Z				-7.2595E-03 -9.2537E-03			-1.1888E-02	-1.4440E-02	-1.5626E-02	
DVD Z DWD Z	-2.5639E-01 -9.1311E-16	-2.4714E-01	-2.2148E-01	-2.1107E-01 -1.5258E-02	-2.0902E-01	-2.1107E-01 1.5258E-02	-2.2148E-01	-2.4714E-01 -6.1089E-04	-2.5639E-01 -4.2418E-12	
DSBJZ	-1.C636E-31	-1.7425E-03	-5.2752E-03	-7.1763F-03	-1.2545E-19 -6.1888E-10	-7.1263F-03	-5.2752F-03	-1.7425E-03	1.3698E-26	
<del>PP</del> UP	-8.5017E-16 -≠Q.3?09E-13	3.0298E-02 -6.1747E-02	6.1602E-02 -1.0915E-01	-1.2415E-C1	1.3452E-C9	1.2415E-01	1.0915E-01	6.1747E-02	-4.8855E-13	
VP WP	2.2°52E-15	1.8744E-01 -1.0671E+00	1.6965E-01 -6.4907E-01	-1.0862E-01 1.0671E+00	-1.4664E-09 2.5397E+00	1.0862E-01 1.0671E+00	-1.6965E-01 -6.4907E-01	-1.8744E-01 -1.0671E+00	3.8642E-14 -1.2416E+00	
SBARP	-7.6187E-16	1.0369E-01	2.1676E-01	3.7901E-01	-1.9098E-09	-3.7901E-01	-2.1676E-01	-1.0369E-01	-2.7995E-15	
				ZETA= 8.00	00000E-01			-		
	I=.	1=2	[-3	ZETA= 8.00	00000E-01 I=5	I =6	1=7	I=8	[=9	1=10
P .	2.5320E-02	2.5878E-02	2.8650E-02	1=4 3.2724E-02	I=5 3.8207E-02	3.2724E-02	2.8650E-02	2.5878E-02	2.5320E-02	1=10
P P/ROASTSO P/PTINE	2.5320E-02 1.4097E-01 2.3238E-04	2.5878E-02 1.4402E-01 2.3750E-C4	2.8650E-02 1.5944E-01 2.6294E-04	1=4 3.2724E-02 1.8212E-01 3.0033E-04	I=5 3.8207E-02 2.1263E-01 3.5065E-04	3.2724E-02 1.8212E-01 3.0033E-04	2.8650E-02 1.5944E-01 2.6254E-04	2.5878E-02 1.4402E-01 2.3750E-04	2.5320E-02 1.4091E-01 2.3238E-04	1=10
P/PTINF P/PINF CHR	2.5320E-02 L.4097E-C1 2.3238E-C4 2.2687E+00 L.7715E+C0	2.5878E-02 1.4402E-01 2.3750E-C4 2.3187E+00 1.7570E+00	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00	1=4 3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00	I=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 1.9186E+00	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.797CE+00	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E+00 1.7719E+00	1=10
P/PTINF P/PINF	2.5320E-02 L.4091E-C1 2.3238E-C4 2.2687E+C0 1.7715E+C0 2.3252E+C0	2.5878E-02 1.4402E-01 2.3750E-C4 2.3187E+00 1.7570E+00 2.3237E+00 -1.8785E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01	1=4 3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01	I=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 .2.3006E+00 2.3062E+00 -1.8580E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.797CE+00 2.3237E+00 -1.8785E-01	2.5320E-02 1.4091E+01 2.3238E-04 2.2687E+00 1.7719E+00 2.3252E+00	1=10
9/119/9 9/19/9 CHR U V V	2.5720E-02 L.4091E-C1 2.3738E-C4 2.2687E+00 L.7715E+C0 2.3252E+C0 -1.9195E-01	2.5878E-02 1.4402E-01 2.3750E-C4 2.3187E+00 1.7570E+00 2.3237E+00 -1.8785E-01 -6.5950E-02	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01 -1.1202E-01	1=4 3.2724E-02 1.8212E-01 2.0033E-00 2.9321E+00 2.0882E+00 2.3118E+00 1.7575E-01 1.1857E-01	I=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3000E+00 2.3002E+00 -1.8580E-01 5.4282E-10	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01 1.1857E-01	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01 1.1202E-01	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E-00 1.797CE+00 2.3237E+00 -1.8785E-01 6.5950E-02	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E+00 1.7719E+00 2.3252E+00 -1.9195E-01	1=10
P/PTINE P/PINE RHD U V W UC VC	2.5320E-02 1.4091E-C1 2.323RE-C4 2.2687E+C0 1.7715E+C0 2.3252E+C0 -1.9195E-01 0. 2.3255E+CC 1.8789E-C1	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.7970E+00 2.3237E+00 -1.8785E-01 -6.5950E-02 2.3241E+00 1.9288E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 -1.7757E-01 -1.1202E-01 2.3175E+00 2.1562E-01	1=4  3.2724E-02 1.8212E-01 2.00335E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01 -1.1857E-01 2.3015E+00 2.5155E-01	I=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3000E+00 2.3002E+00 -1.8580E-01 5.4282E-10 2.2950E+00 2.9303E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01 1.1857E-01 2.3075E+00 2.5155E-01	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01 1.1202E-01 2.3175E+0C 2.1562E-01	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.797CE+00 2.3237E+00 -1.8785E-01 6.5950E-02 2.3241E+00 1.9288E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E+00 1.7719E+00 2.3252E+00 -1.9195E-01 0. 2.3255E+00 1.8789E-01	1=10
P/PTINE P/PINE RHO V W UC VC WC VC VCC	2.5320E-02 L.4091E-C1 2.3738E-C4 2.2687E+00 L.7715E+C0 2.3252E+C0 -1.9195E-01 0.	2.58 78E-02 1.4402E-01 2.37 50E-04 2.31 87E+00 1.75 70E+00 2.32 37E+00 -6.5950E-02 2.3241E+00 1.9288E-01 1.4933E-02 1.9176E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01 -1.1202E-01 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-01	1=4 3.2724E-02 1.8212E-01 2.0033E-04 2.9321E+00 2.38118E+00 -1.7575E-01 -1.1857E-01 2.3075E+00 2.5155E-01 2.4233E-02 2.4830E-01	I=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3000E+00 2.3002E+00 5.4282E-10 2.2950E+00 2.333E-01 5.5588E-10 2.9303E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01 1.1857E-01 2.3075E+00 2.5155E-01 -3.4233E-02 2.4830E-01	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01 1.1202E-01 2.3175E+0C 2.1562E-01 -3.3411E-02 2.1377E-61	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.797CE+00 2.3237E+00 -1.8785E-01 6.5950E-02 2.3241E+00 1.9288E-01 1.9288E-01 1.9176E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E+00 1.7719E+00 2.3252E+00 0.2325E+00 1.8789E-01 1.8789E-01 1.8789E-01	1=10
P/PTINE P/PINE RHO U V W UC VC WC VC WC	2.5320E-02 1.4091E-C1 2.3238TE-02 1.7715E+C0 2.3252E+C0 0.19195E-01 0.23255E+CC 1.8789E-C1 3.2225E-16 1.8789E-C1	2.5878E-02 1.4402E-01 2.3750E-C4 2.3187E+00 1.7970E+00 2.3237E+00 -1.87785E-01 -6.5950E-02 2.3241E+00 1.9288E-01 1.4933E-02 1.9176E-01 -2.5566E-02	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 2.3183E-01 1.7757E-01 -1.1202E-01 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-01 4.3704E-02	1=4 3.2724E-02 1.8212E-01 2.0033E-00 2.0882E+00 2.3118+00 -1.7575E-01 -1.1877E-01 2.3075E-02 2.5155E-01 2.4233E-02 2.4830E-02	I=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3000E+00 -1.8580E-01 5.4282E-10 2.29303E-01 2.9303E-01 2.9303E-01 2.9303E-01 5.4784E-10	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 1.7575E-01 1.1857E-01 2.3075E+00 2.5155E-01 -3.4233E-02 2.4830E-01 5.2876E-02	2.8650E-02 1.5944E-01 2.5254E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01 1.1202E-01 2.3175E+00 2.1562E-01 -3.3411E-02 2.1377E-01 4.3704E-02	2 -5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.797CE+00 2.3237E+00 -1.878E-01 6.5950E-02 2.3241E+00 1.9208E-01 -1.4933E-02 1.9176E-02 2.5566E-02	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E+00 1.7719E+00 2.3252E+00 0.2.3255E+00 1.8789E-01 1.8789E-01 1.8789E-01 9.2147E-12	1=10
P/PTINE P/PINE RHD U V W UC VC VC VCC VCC VCC VCC VCC VCC VCC VC	2.5720E-02 1.4091E-01 2.373RE-C4 2.2687E+00 1.7715E+00 0.33252E+00 1.9195E-01 0. 2.3255E+00 1.8789E-01 3.2225E-16 1.8789E-01	2.58 78E-02 1.4402E-01 2.37 50E-04 2.31 87E+00 1.75 70E+00 2.32 37E+00 -6.5950E-02 2.3241E+00 1.9268E-01 1.4933E-02 1.9176E-02 5.2380E-02 -1.86 23E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 2.3183E+00 1-1.7757E-01 -1.1202E-01 2.3175E+00 2.3562E-01 3.3411E-02 2.1377E-01 -4.37C4E-02 1.2217E-01	3.2724E-02 1.8212E-01 2.0033E-04 2.0321E-00 2.0882E+00 2.118E+00 -1.7575E-01 -1.1877E-01 2.3015E+00 2.5155E-01 2.4233E-02 2.4830E-02 2.0892E-01 -1.4422E-01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 -1.8560E-01 5.4262E-10 2.2950E+00 2.3933E-01 2.9303E-01 2.9303E-01 2.9303E-01 2.9303E-01 2.9303E-01 2.9303E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 1.1757E-01 2.3075E-01 2.5155E-01 -3.423E-02 2.4830E-01 5.2876E-02 2.0892E-01 1.4422E-01	2.8650E-02 1.5944E-01 2.5676E-00 1.9186E-00 2.3183E-00 -1.7757E-01 1.1202E-01 2.3175E-00 2.1562E-01 -3.3411E-02 2.1377E-01 4.3704E-02 1.8078E-01	2.5878E-02 1.4402E-01 2.3750E-03 1.797CE+00 2.3237E+00 1.797CE+00 2.3237E+00 1.8785E-01 2.3241E+00 1.4933E-02 1.4933E-02 1.9176E-01 2.5566E-02 5.2380E-02 1.8623E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E+00 1.7719E+00 2.3252E+00 -1.9195E-01 0. 2.3255E+00 1.8271E-11 1.8789E-01 9.2147E-12 -2.6139E-11 1.8789E-01	1-10
P/PTINE P/PINE RHD U V W UC VC WC WCC WCC VY VY VZ PSINDR	2.5520E-02 1.4091E-C1 2.393E-C4 2.268TE+C0 1.7715E+C0 0.23252E+C0 1.9155E+CC 1.8789E-C1 2.225E-16 1.8789E-C1 2.0 1.3755E+CC 0.0	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E-00 1.7570E-00 2.3237E-00 -1.8765E-01 1.9288E-01 1.9288E-01 1.9176E-01 -2.5566E-02 5.2380E-02 2.3241E+00 1.2428E-01 1.2528E-02 1.2328E-01 1.2428E-01 1.2528E-02 1.2428E-01 2.3241E-00	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 -1.7757E-01 2.3183E+00 -1.7757E-01 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-0 1.2217E-01 -1.8078E-01 2.3175E+00	3-2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.9822E+00 2.3118E+00 2.3118E+00 1.7575E-01 1.1857E-01 2.3075E+00 2.5155E-01 2.4233E-02 2.4830E-02 2.0852E-01 2.3075E+00 5.1733E+00 5.1733E+00	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.4950E-01 5.4282E-10 2.9303E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01 2.3075E+00 2.5155E-01 -3.423E-02 2.4830E-01 3.423E-02 2.0892E-01 1.4422E-01 2.3075E+00 5.1733E+00	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 1.9186E+00 -1.7757E-01 1.1202E-01 2.3183E+00 -1.1752E-01 -3.3411E-02 2.1377E-01 1.207E-01 1.207E-01 1.207E-01 1.207E-01 3.3175E+00	2.5878E-02 1.4402E-01 2.33750E-04 2.33187E-00 1.7976E-00 2.3227E+00 -1.8785E-01 1.928E-01 -1.4933E-02 1.9176E-01 2.3566E-02 5.2380E-02 1.8623E-01 2.3241E+00	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E+00 0.23252E+00 0.2325E+00 1.8271E-11 1.8789E-01 9.2147E-12 -2.6139E-11 1.8789E-01 2.3255E+00 0.23255E+00 0.23255E+00 0.2432E-01 0.2432E	1-10
P/PTINE P/PINE RHD U V W UC VC VC VCC VCC VCC VX VY	2.5120E-02 L.4091E-C1 2.273RE-C4 2.268TE+00 1.7715E+00 -1.9195E-01 0. 33155E+00 1.8272E-16 1.8789E-01 2.00 1.8789E-01 2.00 1.8789E-01 2.3755E+00	2.5878E-02 1.4402E-01 2.3750E-04 2.3150E-04 2.327E-00 2.3237E-00 -1.8755E-01 -6.5950E-02 2.3241E+00 1.4933E-02 1.4933E-02 1.9176E-01 2.3241E+00 2.3241E+00 1.25566E-02 5.2380E-02 1.3241E+00 0.2514E-00 1.2911E+00 0.241E+00	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 -1.7757E-01 2.3183E+00 -1.7757E-01 2.3175E+00 2.152E-01 3.3411E-0 -4.37C4E-02 1.2217E-01 -1.8078E-01 2.3175E+00 8.5546E+01 7.3879E-01	3-2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.9822E+00 2.3116E+00 -1.7575E-01 -1.1857E-01 -1.1857E-01 -2.3075E+00 2.5155E-01 -2.3075E+00 2.5075E-02 2.6082E-01 2.3075E+00 6.6436E+01 1.0382E+00 8.6436E+01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.49103E-01 5.4282E-10 2.9910E-02 2.9910E-02 2.99303E-01 2.99303E-01 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+01 2.9950E+00 2.9950E+00 2.9950E+01 2.9950E+00 2.99	3.2724E-02 1.8212E-01 3.003E-04 2.9321E+00 2.0882E+00 2.3118E+00 -1.7575E-01 1.1857E-01 3.3075E+00 2.5155E-01 3.4233E-02 2.4830E-01 1.422E-01 1.422E-01 1.422E-01 2.3075E+00 5.1735E+00 6.1735E+00	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 2.3183E+00 1.1758E+00 2.3175E+00 2.3175E+00 2.1562E-01 3.341E-02 2.1377E-01 1.8078E-01 2.3175E+00 3.341E-02 3.341E-02 3.341E-02 3.341E-02 3.341E-02 3.341E-02 3.341E-02 3.341E-02	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.797CE+00 -1.8755E-01 6.5950E-02 2.3227E+00 1.928E-01 -1.4933E-01 1.917E-02 1.25566E-02 5.2380E-02 2.3241E+00 1.291E+00 8.5420E+01 2.3241E+00 8.5420E+01 3.7841E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.263FE-00 2.3252E-00 0.1-7119E-01 0.2-3255E-00 1.871E-11 1.8739E-01 9.2147E-12 -2.6139E-11 2.3255E-00 2.3255E-00 6.4400E-10 6.4400E-10 6.45381E-01	1-10
P/PTINF P/PINF RHJ U V W UC VC VC VC VC VC VC VC VC VY VY VY VY VS INDR THETNOR XBAR XBALD	2.5120E-02 1.4091E-C1 2.723BE-C4 2.268TE+00 1.7715E+00 2.3252E+00 -1.9195E-01 3.2755E+00 1.3758E-01 3.2725E-10 0. -1.6789E-01 2.3755E+00 0. 5.5781E+01 0.	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E-00 1.7570E-00 2.3237E-00 -1.8785E-01 -6.5950E-02 2.3241E-00 1.9288E-01 1.9288E-01 1.9176E-01 -2.5566E-02 5.2380E-02 -1.8623E-01 2.3241E-00 1.2911E-00 1.2911E-00 3.7841E-01 3.7841E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 1.9186E+00 2.3183E+00 1.7757E-01 -1.7757E-01 -1.1202E-01 2.3175E-00 3.3411E-02 2.1377E-01 -4.3764E-02 1.2217E-01 -1.8078E-01 3.0176E+00 3.0176E+00 8.5546E+01 7.3879E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0318E+00 2.3118E+00 1.7575E-01 2.3075E+00 2.3155E-01 2.4830E-01 5.2876E-02 2.0892E-01 1.4422E-01 1.3075E+00 5.1733E+00 5.1733E+00 1.0038E+00	1-5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3062E+00 2.3062E+00 2.3062E+00 2.3062E+00 2.9303E-01 5.4282E-10 2.9303E-01 5.4784E-10 2.9303E-01 5.4784E-10 7.2763E+00	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.0382E+00 2.3118E+00 -1.7575E-01 1.1857E-01 2.3075E+00 5.275E-01 1.4422E-01 1.4422E-01 1.4422E-01 1.3975E+00 5.1733E+00 6.6438E+01 1.0383E+00	2.8650E-02 1.5944E-04 2.5676E-04 2.5670E+00 1.9186E+00 1.9186E+00 1.7757E-01 1.1202E-01 2.3185E+00 2.1552E-01 -3.3411E-02 1.2217E-01 1.8078E-01 2.3175E+00 3.0176E+00 3.5546E+01 7.3879E-01	2-5878E-02 1.4402E-01 2.3750E-04 2.3187E+00 1.797CE-00 2.3227E+00 -1.8765E-01 2.3227E+00 -1.928E-01 -1.4933E-02 2.3241E+00 2.5566E-02 2.8623E-01 2.924E+00 1.291E+00 1.291E+00 1.291E+00 1.3150E-01 3.5420E+01 3.7841E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E-00 2.3252E-00 -1.9195E-01 0.3255E-00 1.8789E-01 1.8799E-01 1.8799E-01 1.3255E-00 9.2147E-12 2.3255E-00 6.4400E-11 8.5381E-00	I=10
P/PTINF P/PINF RHD U V W UC VC VC VC VC VC VX VY VI PSINOR THETNOR XBMR YBML D YBMR YBML D	2.5120E-02 1.4091E-C1 2.793BE-C6 2.268TE+00 1.7715E+00 2.3152E+00 -1.9155E-01 3.2155E+C0 1.8789E-C1 3.222E-16 1.6789E-01 2.3755E+C0 0.5788E+01 0.973260E-01 0.973260E-01	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E-00 2.3237E-00 2.3237E-00 1.8785E-01 -6.5950E-02 2.3241E-00 1.4938E-01 1.4938E-01 2.5566E-02 2.3241E-00 2.3241E-00 1.2911E-00 1.2911E-00 1.37841E-01 3.7849E-01 8.8743E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.3175E-01 -1.7757E-01 -1.720ZE-01 3.3411E-02 2.1377E-01 -4.3764E-02 1.2217E-01 -1.8078E-01 3.0176E+00 3.0176E+00 7.3879E-01 -7.2337E-01 -7.2337E-01	3-2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.9321E+00 2.318E+00 -1.7575E-01 2.3075E+00 2.5155E-01 2.4233E-02 2.823E-02 2.823E-02 2.0892E-01 -1.4422E-01 1.023E+00 5.1733E+00 5.1733E+00 5.1733E+00 5.1733E+00 4.3214E-01 4.3214E-01 4.5116E-01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E-00 2.3002E-00 2.3002E-00 1.8560E-01 2.2930E-00 2.3032E-01 2.2930E-00 5.4768E-10 2.9303E-01 5.4709E-10 5.4709E-10 6.4733E-01 6.4733E-01 6.4733E-01 6.4733E-01 6.4733E-00 6.4733E-01 6.4733E-00 6.4733E-00 6.4733E-01 6.4733E-00	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3818E+00 2.3118E+00 1.1857E-01 2.3075E+00 2.5155E-01 -3.4231E-02 2.4830E-01 5.2878E-02 1.4422E-01 1.4422E-01 1.0383E+00 6.6438E+01 1.0385E+00 4.3214E-01 4.6116E-01	2.8650E-02 1.5944E-01 2.6264E-04 2.5670E+00 1.9186E+00 2.3183E+00 -1.7757E-01 1.1202E-01 2.3175E-00 2.1562E-01 -3.3411E-02 2.1377E-01 1.8078E-01 1.2217E-01 1.8078E-01 7.3879E-01 7.2387E-01 7.2387E-01 7.2387E-01	2-5878E-02 1.4402E-01 2.3750E-04 2.3187E-00 1.777CE-00 2.3227E-00 -1.8765E-01 1.928E-01 -1.4933E-02 2.32241E-00 1.928E-01 -1.4933E-02 2.3241E-00 1.928E-01 2.3262E-02 1.8623E-03 2.3241E+00 1.2911E-00 1.2911E-00 1.3150E-01 3.7841E-01 8.5420E+01 8.7849E-01 8.7849E-01 8.8743E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E-00 2.3252E-00 -1.9195E-01 0.3255E-00 1.8789E-01 1.8789E-01 1.8739E-01 1.8739E-01 1.8739E-01 1.8739E-01 1.8739E-01 1.8739E-01 1.8739E-01 1.8739E-01 1.8739E-01 1.8739E-01	I=10
P/PTINF P/PINF RHD U V W UC VC VC VC VC VC VC VX VY VI PSINOR THETOGR XBAG XBAG YBAG G G	2.5120E-02 1.4091E-C1 2.793BE-C6 2.268TE+00 1.7715E+C0 2.3252E+00 1.9155E-01 3.225E-16 1.6789E-C1 3.2225E-16 1.6789E-C1 3.225E-16 0	2.5878E-02 1.4402E-01 2.3750E-04 2.3187E-00 1.7570E-00 2.3237E-00 1.8758E-01 -6.5950E-02 2.3241E-00 1.9288E-01 1.4938E-02 1.9178E-01 -2.5566E-02 5.2380E-02 -1.8623E-01 2.3241E-00 1.2911E-00 8.5420E-01 8.5420E-01 8.5420E-01 8.5430E-01 9.5453E-02 9.5453E-02 9.5453E-02 9.5453E-02 9.5453E-02 9.5453E-02 9.5453E-02 9.5453E-02 9.5453E-02 9.5453E-02	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.1177FE-01 -1.775TE-01 -1.720ZE-01 3.3411E-02 2.1377E-01 -4.3764E-02 1.2217E-01 -1.8078E-01 3.0176E+00 3.0176E+00 7.3879E-01 -7.233TE-01 -7.233TE-01 4.8086E-02 2.4127E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.932E+00 2.982E+00 2.318E+00 1.7575E-01 2.3075E-00 2.5155E-01 2.4233E-02 2.5155E-01 2.4235E-02 2.5155E-01 1.422E-01 1.23075E+00 5.1735E+00 1.0085E+00 4.3214E-01 3.692E-02 3.692E-02 1.0085E+00 4.3214E-01 3.692E-02 3.692E-02 3.692E-02	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E-00 2.3002E-00 2.3002E-00 1.8560E-01 2.2950E-00 1.8560E-01 2.2950E-00 1.8568E-10 2.2950E-00 1.4738E-01 2.49303E-01 2.49303E-01 1.4738E-00 1.4733E-00 1.2950E-00 1.2753E-01 1.1933E-00 2.7949E-11 3.2857E-02 2.8186E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 1.7575E-01 2.3075E-00 2.5155E-01 -3.4231E-02 2.4830E-01 5.2875E-01 1.4422E-01 1.4422E-01 1.0393E+00 6.0439E+01 1.0393E+00 4.3214E-01 3.6983E-02 4.6116E-01 3.6983E-02	2.8650E-02 1.5944E-01 2.5254E-04 2.5510E+00 2.3183E+00 -1.7757E-01 1.1202E-01 2.3175E-00 2.3175E-00 2.1502E-01 -3.3411E-02 2.1377E-01 1.8078E-01 7.3879E-01 7.3879E-01 7.2037E-01 4.2037E-01 7.2037E-01 4.2037E-01 7.2037E-01 4.2037E-01 7.2037E-01 7.2037E-01 4.208E-02 2.4127E-01	2-5878E-02 1.4402E-01 2.3750E-04 2.3750E-04 2.3127E-00 1.3776E+00 2.3227E-00 1.428E-01 1.428E-01 1.428E-01 2.35241E-00 2.35241E-00 2.35241E-00 1.2491E-00 1.2491E-00 1.2491E-00 1.2491E-00 1.37841E-01 3.7841E-01 8.5420E+01 8.5420E+01 5.4553E-02 2.31849E-01 5.4553E-02 2.31849E-01 5.4553E-02 2.318E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E-00 2.3252E-00 -1.9195E-01 1.8789E-01 1.7789E-02 2.3255E-00 6.4003E-11 9.3260E-01 9.3260E-01 5.7580E-02 2.2222E-01	I=10
P/PTINF P/PINF RHD U V W UC VC VC WCC VC VY VY VI	2.5320E-02 1.4091E-C1 2.3938E-C4 2.2687E+00 1.7715E+00 2.3252E+00 1.9195E-01 3.2222E-16 1.8789E-C1 2.00 1.8789E-C1 2.00 1.8789E-C1 2.00 1.8789E-01 2.3755E+CC 0.00 3.5781E+01 0.00 0.00 1.5780E-01 1.5326CE-01 1.5326CE-01 1.5326CE-01 1.5326CE-01 1.5326CE-01 1.5326CE-01	2.5878E-02 1.4402E-01 2.3750E-04 2.31876+00 2.32376+00 2.32376+00 1.8765E-01 -6.5950E-02 2.32416+00 1.4933E-02 1.4933E-02 1.4933E-02 1.4933E-02 1.32416+00 0.25566E-02 5.2380E-02 5.2380E-02 5.2380E-02 5.2380E-02 6.5420E+01 3.1540E-01 8.7842E-01 8.7842E-01 8.7845E-01 5.4553E-02 -2.3188E-01 5.4387E+00	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.11757E-01 -1.1757E-01 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-01 2.3175E+00 3.3411E-02 2.1377E-01 2.3175E+00 6.5546E+01 7.3879E-01 7.0264E-01 7.3879E-01 7.3879E-01 6.4808E-02 -2.4127E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3812E+00 2.3812E+00 2.3118E+00 2.3118E+00 2.315E-01 -1.1857E-01 -1.1857E-01 -1.23075E+00 2.5155E-01 -1.4422E-01 2.3075E+00 6.6438E+01 1.0383E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0383E+01 1.3422E-01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3906E+01 5.4282E-10 2.3903E-01 2.3903E-01 2.3903E-01 2.3903E-01 2.3903E-01 2.3950E+00 2.3903E-01 2.3950E+00 2.3903E-01 2.3950E+00 2.3950E	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+000 2.3118E+000 2.3118E+000 2.3118E+000 2.5159E-01 1.1657E-01 2.3075E+000 2.5159E-01 2.3075E+000 2.5159E-01 2.3075E+000 2.5159E-01 2.3075E+000 3.4233E-02 2.4830E-01 2.3075E+000 3.4422E-01 1.4422E-01 1.0363E+00 1.0363E+00 1.0363E+00 1.0363E+00 1.3693E-02 -2.5570E-01 7.2519E+00	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 2.3183E+00 1.1785E+00 2.3175E+00 2.3175E+00 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-01 2.3175E+00 3.0176E+00 3.0176E+00 8.5546E+01 7.008E-01 7.3970E-01 7.3970E-01 4.808E-02 7.3970E-01 6.668Fe+00	2.5678E-02 1.4402E-01 2.31759E-04 2.31759E-04 2.3187E-00 2.3227E-00 2.3221E-00 01.976E-01 6.5950E-02 1.9176E-01 1.4933E-02 1.9176E-01 2.3546E-02 2.3541E-00 1.9241E-00 1.9241E-00 1.9241E-00 8.5420E+01 3.1590E-01 8.7849E-01 8.7849E-01 8.7849E-02 5.43878E-02 5.43878E-02 5.43878E-03 5.43878E-03	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E-00 2.3252E-00 0.1.9195E-01 0.2.3255E-00 1.8271E-11 1.8798E-01 9.2147E-12 -2.6139E-11 1.8789E-01 9.2147E-12 -2.6139E-11 -6.44003E-11 -6.44003E-11 -6.4003E-11 -6.4003E-11 -7.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-02 2.222E-01	I-10
P/PTINF P/PINF RHD U V W UC VC VC VC VC VC VY VY VI	2.5320E-02 1.4091E-C1 2.3938E-C1 2.3938E-C1 2.3252E+00 1.9195E-01 0.3252E+10 1.3222E-16 1.8789E-C1 2.3755E+CC 0. 9.5781E+01 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2.58 78E-02 1.4402E-01 1.2750E-C4 2.3187E-00 1.7570E+00 2.3237E+00 1.8750E-01 -6.5950E-02 2.3241E+00 1.4933E-02 1.4933E-02 1.9176E-01 2.3241E+00 1.2566E-02 5.2380E-02 1.3241E+00 6.5420E+01 3.1540E-01 3.1540E-01 3.1540E-01 5.4535E-02 -2.3188E-C1 5.4387E+00 6.942E-00 6.942FE-00	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.11757E-01 -1.7757E-01 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-01 2.3175E+00 3.3411E-02 2.1377E-01 2.3175E+00 3.0176E+00 8.5546E+01 7.3879E-01 7.2377E-01 7.3879E-01 6.6243E+00 6.6243E+0	1=4  3.2724E-02  1.8212E-01  3.0033E-04  2.9321E+00  2.3821E+00  2.3116E+00  -1.7575E-01  -1.1857E-01  -1.1857E-01  -1.1857E-01  -1.23075E+00  2.5155E-01  2.3075E+00  2.50892E-01  2.3075E+00  3.0692E-01  2.3075E+00  3.0692E-01  -4.3214F-01  -4.6116E-01  3.6983E-02  -4.5116E-01  -4.6116E-01  -4.6116E-01  -5.7570E-01  -6.6437E+00  6.6437E+00	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.4905E-01 5.4282E-10 2.9905E-01 2.9905E-01 2.9905E-01 2.9905E-01 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.7263E+00 9.000E+01 1.1933E+00 1.1933E+00 2.7949E-11 2.7955E-11 3.2857E-02 2.8186E-01 6.4310E+00 6.4310E+00 6.4310E+00	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.5159E-01 1.1657E-01 1.1657E-01 2.3075E+00 2.5159E-01 2.3075E+00 2.5159E-01 2.3075E+00 2.4830E-01 2.3075E+00 2.4830E-01 2.3075E+00 2.4830E-01 2.3075E+00 2.4830E-01 2.3075E+00 2.4830E-01 2.3075E+00 2.4830E-01 2.3075E+00 3.4830E-02 2.55750E-01 1.0383E+00 4.6118E-01 3.6983E-02 -2.5570E-01 7.2919E+00 6.6437E-00	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 2.3183E+00 1.1758E-01 1.1757E-02 2.3175E+00 2.3175E+00 2.1562E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.3175E+00 3.0176E+00 8.5546E+01 7.0084E-01 7.0084E-01 7.2377E-01 7.3879E-01 7.3879E-01 6.6687E+00 6.6687E+00 6.6687E+00 6.6687E+00 6.6753E-01	2.5678E-02 1.4402E-01 2.31759E-04 2.31759E-04 2.3127E-00 2.3227E-00 1.797CE+00 2.3221E-00 01.978E-01 6.5950E-02 1.9176E-01 2.3241E-00 2.3546E-02 2.3546E-02 1.9176E-01 2.3566E-02 5.2380E-02 1.9212E-00 1.2912E-01 2.3241E-01 3.1590E-01 3.1590E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E-00 2.3252E-00 0.1.9195E-01 0.2.3255E-00 1.8271E-11 1.8798E-01 9.2147E-12 -2.6139E-11 1.8798E-01 9.2147E-10 2.3255E-00 6.4400E-10 8.5381E-01 8.4003E-11 -8.4003E-11 -8.4003E-11 -8.4003E-11 -9.3260E-01 9.3260E-01 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00 9.3260E-00	I-10
PATINE PATINE RHD U V W UC VC VC WCC VC VC VY VY VI	2.5320E-02 1.4091E-C1 2.3938E-C4 2.2687E+00 1.7715E+00 2.3152E+00 1.9195E-01 3.2152E+10 1.3222E-16 1.8789E-C1 2.0 0.0 0.5758E+00 0.0 0.5758E+00 0.0 0.5758E+00 0.5758E-01 1.3260E-01	2.58 78E-02 1.4402E-01 1.2750E-C4 2.3187E-00 1.7570E+00 2.3237E+00 1.8750E-01 -6.5950E-02 2.3241E+00 1.4933E-02 1.4933E-02 1.4933E-02 1.823E-01 2.3241E+00 6.5420E+01 3.1540E-01 3.1540E-01 3.1540E-01 5.4535E-02 -2.3188E-C1 5.4387E+00 6.9424E-00 6.9424E-00 6.9424E-00 6.9424E-01 2.9441E-02 2.93188E-C1 2.93188E-C1 2.93188E-C1 2.93188E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1 2.9318E-C1	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.11757E-01 -1.1720ZE-01 3.3411E-02 2.1377E-01 2.3175E+00 2.1562E-01 2.3175E+00 2.1562E-01 7.377E-01 2.3175E+00 8.5546E+01 7.3879E-01 7.0264E-01 7.3879E-01 7.3879E-01 6.0687E+00 6.0687E+00 6.1553E-01 3.0525E-02 2.1507E-02	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3812E+00 2.3812E+00 2.3116E+00 2.3116E+00 2.3155E-01 -1.1857E-01 -1.1857E-01 -1.23075E+00 2.5155E-01 -1.4422E-01 2.3075E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0383E+01 1.3383E+01 1.3483E+01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3903E-01 5.4282E-10 2.3903E-01 2.3903E-01 2.3903E-01 2.3903E-01 2.3950E+00 2.3903E-01 2.3950E+00 2.3903E-01 2.3950E+00 2.3903E-01 2.3950E+00 2.3950E+00 2.3950E+00 2.3950E+00 3.4784E-11 2.7955E-11 3.2857E-02 2.8186E-01 6.4310E+00	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3175E-01 1.1657E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.4830E-01 2.3075E+00 2.4830E-02 2.5570E-01 2.3075E+00 4.6437E+00 6.6437E+00 6.6437E+00 6.4876E-02 4.4876E-02 4.4876E-02 4.4876E-02	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 2.3183E+00 2.3175E+00 2.3175E+00 2.3175E+00 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-01 1.8078E-01 2.3175E+00 3.0176E+00 8.5546E+01 7.0084E-01 7.3879E-01 7.3879E-01 7.3879E-01 6.0687E+00 6.0687E+00 6.1555E-01 3.0525E-02 2.1175E-00	2.5678E-02 1.4402E-01 2.31759E-04 2.31759E-04 2.3187E-00 2.3227E-90 2.3221E-90 01.976E-01 6.5950E-02 2.3241E-00 1.4933E-02 1.4933E-02 1.9176E-01 2.3566E-02 5.2360E-02 5.2360E-02 5.2360E-02 5.2360E-02 5.241E-00 8.5420E+01 8.7842E-01 8.7842E-01 8.7843E-02 5.4553E-02 2.3241E-00 8.7842E-01 8.78473E-01 8.78473E-01 8.78473E-01 8.7847E-01 8.7847E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 2.3252E-00 0.1-7119E-01 0.2-3255E-00 1.871E-11 1.8798E-01 9.2147E-12 -2.6139E-11 1.8789E-01 9.2147E-12 -2.6139E-11 -6.4003E-11 -6.4003E-11 -6.4003E-11 -6.4003E-11 -6.4003E-15 -5.750E-02 -2.222E-01 9.320E-01 9.320E-01 9.320E-01 9.320E-01 9.320E-01 9.320E-01	I=10
P/PTINF P/PINF RHD U V W UC VC VC VC VC VC VC VX VY VI PSINOR THENOR XBMR ZBMR G DEONS AM CROSS M SBMR	2.5320E-02 1.4091E-C1 2.293BE-C4 2.2268TE+00 1.7715E+00 2.3252E+00 1.9195E-01 3.2222E-16 1.8789E-C1 2.3755E+CC 0. 9.5781E+01 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2.58 78E-02 1.4402E-01 1.2750E-04 2.31876+00 2.32376+00 1.7570E+00 2.3241E+00 1.9750E-02 2.3241E+00 1.9938E-01 1.4933E-02 1.9176E-01 2.3241E+00 1.2566E-02 5.2380E-02 1.3241E+00 6.5420E+01 3.1540E-01 3.1540E-01 3.1540E-01 5.4535E-02 2.3188E-01 5.4535E-02 2.3188E-01 5.4535E-02 2.3188E-01 5.45378E-02 2.3188E-01 5.45378E-02 2.3188E-01 6.9624E-30 6.9	2.8650E-02 1.5944E-01 2.5670E+00 2.3183E+00 2.3183E+00 2.3183E+00 2.3175E-01 -1.1202E-01 3.3411E-02 2.1377E-01 2.3175E+00 3.3411E-02 2.1377E-01 2.3175E+00 3.3471E-02 2.1377E-01 2.3175E+00 6.5546E+01 7.0028E-01 7.0028E-01 7.3879E-01 7.3879E-01 6.0687E+00 6.0687E+00 6.0525E-02 9.2653E-01	3.2724E-02 1.8212E-01 2.0335E-04 2.9321E+00 2.3812E+00 2.3812E+01 1.1575E-01 -1.1857E-01 -1.1857E-01 -1.1857E-01 -1.1857E-01 -1.23075E+00 2.5155E-01 2.3075E+00 2.5436E-02 2.0892E-01 2.3075E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0383E+01 1.383E+01 1.383E+01 1.442E-01 1.384E-01 1.442E-01 1.442E-01 1.443E-02 2.5570E-01 1.443E-02 1.447E-01 1.447E-02 1.447E-02 1.437E-02 1.437E-02 1.437E-02 1.437E-02 1.437E-02 1.437E-02 1.437E-03	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.2950E+00 2.2950E+00 2.9303E-01 3.4764E-10 2.9303E-01 3.4764E-10 2.9303E-01 3.4764E-10 2.9306E-01 6.4316E-00 6.4310E+00 6.4310E+00 6.4310E+00 6.4310E+00 6.4310E+00 6.4310E+00 6.4310E+00 6.4571E-02 8.5903E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.5159E-01 1.1657E-01 1.1657E-01 1.1657E-02 2.46830E-01 2.3075E+00 2.5159E-01 2.3075E+00 2.4649E+01 2.3075E+00 4.4649E+01 1.0363E+00 1.0065E+00 4.3214E-01 4.4618E-01 1.0363E+00 4.3214E-01 4.4613E-01 1.4422E-01 1.4422E-01 1.443E-01	2.8650E-02 1.5944E-01 2.5670E+00 2.3183E+00 1.1785E+00 1.1785E+00 2.3178E+00 2.3178E+00 2.3178E+00 2.3178E+00 2.3178E+00 2.3178E+00 2.3178E+00 2.3178E+01 2.3178E+01 2.3178E+01 2.3178E+01 2.3178E+01 2.3178E+01 2.3178E+01 2.3178E+00 3.0176E+00 8.5546E+01 7.0084E-01 7.0378E-01 7.3379E-01	2.5878E-02 1.4402E-01 2.31759E-04 2.31759E-04 2.3187E-00 2.3237E-00 2.3237E-00 1.976E-01 6.5950E-02 2.3241E-00 1.928E-01 2.3546E-02 2.3541E-00 1.921E-01 2.3566E-02 5.2380E-02 5.2380E-02 5.2380E-02 5.2380E-03 1.2911E-00 8.5420E+01 3.1590E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01 8.7849E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 2.3252E-00 0.7719E-01 0.2.3255E-00 1.8739E-01 1.8271E-11 1.8739E-01 2.3255E-00 2.3255E-00 1.8271E-11 1.8739E-01 2.3255E-00 6.4400E-10 6.5381E-01 6.4003E-11 -6.4003E-11 -6.4003E-11 -6.4003E-15 -5.750E-02 -2.2922E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01	1-10
P/PTINF P/PINF RHD U V W UC VC VC VC VC VC VC VX VY PSINOR THETNOR XBAR XBAR XBAR CROSSM G G DE ONS AM CROSSM SBAR PORRIGAM PIT/PTINF PI BERNOUL	2.5120E-02 1.4091E-01 2.9238E-06 2.2268TE+00 1.7715E+00 2.1252E+00 1.9195E-01 3.2225E-16 1.6789E-01 2.3755E+00 0.8789E-01 0.8789E-01 0.8789E-01 0.93260E-01 5.5780E-02 5.726E-01 5.309E+00 6.922E+00	2.5878E-02 1.4402E-01 2.3750E-04 2.31876+00 2.3237E-00 2.3231E-00 1.9770E-00 2.3241E-00 1.9288E-01 1.9938E-01 2.3241E-00 2.5230E-02 2.5230E-02 2.3241E-00 3.7841E-01 3.7841E-01 8.5420E-01 8.5420E-01 5.4535E-02 2.338E-01 6.9427E-01 5.4937E-00 5.9437E-01 5.4937E-01 5.9437E-01 1.3947E-01 1.3947E-01 1.3947E-01 1.3947E-01 1.3947E-01 1.3947E-01 1.3947E-01 1.3947E-01 1.3947E-01 1.3947E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.1182E-01 -1.1202E-01 -1.1202E-01 -1.377E-01 -3.3411E-02 2.1377E-01 -1.377E-01	3.2724E-02 1.8212E-01 2.0033E-04 2.9321E+00 2.3318E+00 -1.7575E-01 2.3015E-02 2.3155E-01 2.4233E-02 2.5155E-01 2.4233E-02 2.0822E-1 1.4422E-01 1.0385E+00 5.1733E+00 5.1733E+00 6.0438E+01 3.0898E-02 7.2919E+02 6.6437E+00 6.673E-01 9.737E+01 9.737FE+01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.7906E-01 2.7906E-01 2.7906E-01 2.7906E-01 3.4764E-10 2.7906E-10 3.2950E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 6.4310E-01 6.4511E-02 1.1903E-02 1.1903E-01 6.4511E-02 1.1905E-02 1.1905E-02 1.1905E-02 1.1905E-02	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 1.7575E-01 2.3075E-00 2.5155E-01 3.4231E-02 2.4830E-01 5.2875E-02 1.4422E-01 1.4422E-01 1.0383E+00 4.3214E-01 1.0385E+00 4.3214E-01 7.2919E+00 6.0673E-01 7.2919E+00 6.0673E-01 7.2919E+00 6.0673E-01 7.3919E+00 6.0673E-01 7.397E+01	2.8650E-02 1.5944E-01 2.5254E-04 2.5510E+00 2.3183E+00 -1.7757E-01 1.1202E-01 2.3175E-00 2.3175E-00 2.1502E-01 1.2217E-01 1.8078E-01 1.2217E-01 1.8078E-01 7.3879E-01 7.3879E-01 4.808E-02 2.4127E-01 6.0687E+00 6.1553E-01 6.0687E+00 6.1553E-01 1.0055E-02 1.1507E-02 1.1507E-02 1.1507E-02 1.1507E-02 1.1507E-02	2-5878E-02 1.4402E-01 2.3150E-04 2.3150E-04 2.3127E-00 1.2727E-00 1.2727E-00 1.2727E-00 1.2727E-00 1.2727E-01 1.2727E-01 2.3241E-00 1.2727E-01 2.3241E-00 1.2727E-01	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E-00 2.3252E-00 -1.9195E-01 1.8789E-01 1.8789E-01 1.8789E-01 1.8739E-11 1.8789E-01 9.2147E-12 2.3255E-00 -6.4003E-11 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 9.3260E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01 1.3326E-01	1=10
P/PTINF P/PINF RHD U V W UC VC VC VC VC VC VC VC VX VY VI PSINOR THENOR XBMC THENOR XBMC G DEONS AM CROSS M SBAR PORRIGAM PT/PTIMF PT BERNOUL DDD2 DUDZ	2.5120E-02 1.4091E-01 2.273RE-06 2.2268TE+00 1.7715E+00 2.1252E+00 1.3252E+00 1.3252E-10 1.3222E-11 1.3222E-11 1.3222E-11 1.3789E-01 2.3755E+00 0.5788E+01 09.3260E-01 5.7780E-02 7.2022E-01 5.3798E-01 6.922E+00 6.922E+00 6.922E+00 1.312E-02 1.114TE-02 1.114TE-02 1.114TE-04 1.904EE-01 4.904E	2.58 78E-02 1.4402E-01 2.3750E-04 2.31876+00 2.3237E+00 1.9770E+00 2.3241E+00 1.9288E-01 1.9938E-01 1.9938E-02 1.9176E-02 2.3241E+00 1.2938E-02 1.2938E-02 1.2938E-02 1.2938E-01 3.7841E-01 8.743E-03 8.5420E+03 5.443E-00 5.443E-00 5.443E-01 5.443E-01 5.443E-01 5.443E-01 5.443E-01 5.443E-01 5.443E-01 5.443E-01 6.924E-90 5.943TE-01 1.0353E+02 1.338E-01 1.338E-01 1.344E-02 1.338E-01 1.344E-02 1.338E-01 1.344E-02 1.338E-01 1.345E-01 1.355E-01 1.355E-01 1.355E-01 1.355E-01	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.1377E-01 -1.1202E-01 3.3411E-02 2.1377E-01 -4.37C4F-02 -1.377E-01 -1.8078E-01 -1.9370E-01 -1.8078E-01 -1.0558E-02 -1.1553E-01 1.0078E-01	3.2724E-02 1.8212E-01 2.0033E-04 2.9321E+00 2.3318E+00 2.3118E+00 -1.7578F-01 2.3075E-02 2.3155E-01 2.4233E-02 2.5155E-01 2.4233E-02 2.0892E-01 -1.4422E-01 1.0385E+00 5.1733E+00 5.1733E+00 5.1735E+00 6.0437E+00 4.3214F-01 3.6981E-02 7.2919E+02 6.673E-01 9.737E+01 9.7357E+01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-01 2.2950E-01 2.2950E-01 2.49303E-01 2.49303E-01 2.49303E-01 3.4764E-10 3.2950E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 7.2763E-00 6.4310E-01 6.4511E-02 1.1933E-00 6.4310E+00 6.4310E+00 6.4511E-02 1.1905E-02 1.1905E-03 1.5906E-10 -8.7450E-03	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3175E-01 1.1857E-01 2.3075E-00 1.14523E-02 2.4830E-01 5.2875E-01 1.4422E-01 1.4422E-01 1.0385E+00 4.3214E-01 3.6983E-02 2.3075E+00 6.0673E-01 7.2919E+00 6.0673E-01 7.2919E+00 6.0673E-01 7.3919E-00 6.0673E-01 7.3919E-00 6.0673E-01 7.397E-01 9.7397E+01 9.7397E+01 9.7397E-01 9.7397E-01 9.7397E-01 9.7397E-01 9.7397E-01	2.8650E-02 1.5944E-01 2.5264E-04 2.5510E+00 2.3183E+00 1.7178E-01 1.1202E-01 2.3175E-02 2.3175E-02 1.1202E-01 2.3175E-03 1.1202E-01 2.3175E-03 1.1217E-01 1.8078E-01 7.3879E-01 7.3879E-01 7.0084E-01 7.237E-01 6.068E-02 2.4127E-01 6.0687E+00 6.1553E-01 1.0055E-02 1.1507E-02	2-5878E-02 1.4402E-01 2.3150E-04 2.3187E+00 1.7976E+00 2.3237E+00 -1.65950E-02 2.3237E+00 -1.4938E-01 -1.4933E-02 1.9176E-01 2.5566E-02 2.3241E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.29241E+00 1.2938E-01 1.2938E-01 2.3284E-01 2.3284E-01 1.2938E-01 2.3188E-01 5.4353E-02 5.4387E+00 5.9437E-01 2.0441E-02 1.1391E-02 1.338E-01 4.3358E-00 4.8261E-03 3.338E-00 4.8261E-03	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 2.3252E-00 -1.9195E-01 1.8789E-01 1.8789E-01 1.8789E-01 1.8789E-01 1.8789E-01 9.2147E-12 2.0139E-01 1.8789E-01 9.2147E-12 2.03255E-00 -6.4003E-11 9.3260E-01 5.7580E-02 2.2922E-01 5.309E-00 5.7526E-01 1.8312E-02 1.1312E-02 1.1312E-02 1.1312E-02 1.1316E-02 -4.9048E-03 -4.9048E-03 -4.9048E-03	1=10
P/PTINF P/PINF RHD U V W UC VC VX VY PSINOR THETNOR XBMA VBMLO ETA G DEONS AM CROSSM SBSSM PORRIGAM PORRIGAM PIT/PTINF PI BERNOUL DDD2 DUD2 DUD2 DVD2 DUD2 DVD2 DVD2 DVD2	2.5120E-02 1.4091E-01 2.273RE-06 2.2268TE+00 1.7715E+00 2.1252E+00 1.3715E+01 3.222E-16 1.3722E-16 1.3722E-16 1.3722E-16 1.378E-01 073260E-01 5.7780E-02 7.2022E-01 5.3792E-01 1.37260	2.58 78E-02 1.4402E-01 1.2750E-04 2.3187E-00 1.7570E+00 2.3237E-00 1.9570E-00 1.9570E-00 1.9288E-01 1.4933E-02 1.9176E-00 2.52300E-02 1.9176E-01 2.3241E-00 1.2921E-00 1.37841E-01 2.3241E-02 1.3189E-01 2.4441E-02 1.1391E-02 1.3386E-06 4.6266E-03 1.2756E-02 2.3386E-06	2.8650E-02 1.5944E-01 2.6294E-04 2.5670E+00 2.3183E+00 2.3183E+00 2.1182E-01 -1.1202E-01 -1.1202E-01 -1.1562E-01 3.3411E-02 2.1377E-01 -1.8078E-01 -1.9370E-01 -1.8078E-01 -1.9370E-01 -1.8078E-01 -1.9370E-01 -1.9370E-01 -1.9370E-01 -1.9370E-01 -1.9370E-01 -1.9370E-01 -1.9370E-01 -1.9370E-01 -1.9370E-01	3.2724E-02 1.8212E-01 2.0033E-04 2.9321E+00 2.3316E+00 -1.757E-01 2.3015E-00 2.3155E-01 2.4233E-02 2.5155E-01 2.4233E-02 2.0822E-1 1.4422E-01 1.0385E+00 5.1733E+00 5.1733E+00 6.0438E+01 3.0885E+00 4.3214F-01 3.6981E-02 2.5570E-01 7.2919E+00 6.673E-01 9.7357E+01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-00 2.3002E-01 2.2950E-01 2.2950E-01 2.49303E-01 2.49303E-01 2.49303E-01 3.4764E-10 3.4936E-01 3.2950E-00 3.72763E-00 3.72763E-00 3.73763E-00 3.73763E-00 4.73763E-00 4.73763E-00 6.73763E-00 6.73763E-00 6.73763E-00 6.73763E-00 6.73763E-01 6.7371E-02 1.1938E-01 6.4571E-02 1.1905E-02 1.1906E-02	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3158E-01 1.1857E-01 2.3075E-00 1.1423E-02 2.4830E-01 1.4422E-01 1.0383E+00 4.3214E-01 1.0383E+00 6.0673E-01 7.2919E+00 6.0673E-01 9.7397E+01 9.7397E+01 9.7397E+01 9.7397E+01 9.7397E+01 9.7397E-03 9.389E-03 9.389E-03	2.8650E-02 1.5944E-01 2.5264E-04 2.5510E+00 2.3183E+00 1.7178E-01 2.3175E-01 2.3175E-01 2.3175E-01 2.3175E-01 2.3175E-01 3.3411E-02 1.2217E-01 1.8078E-01 7.3879E-01 7.3879E-01 7.2337E-01 6.0647E-00 6.1553E-01 6.0647E+00 6.1553E-01 1.0055E+02 1.1507E-02 2.1603E-01 1.0059E+02 -4.66CTE-03 -4.66CTE-03 -4.66CTE-03 -1.0539E-02 -2.1803E-01 2.0759E-02	2-5878E-02 1.4402E-01 2.3159E-04 2.3187E+00 1.7976E+00 2.3237E+00 -1.65950E-02 2.3237E+00 -1.4938E-01 1.4938E-01 2.5566E-02 2.3241E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.2911E+00 1.31590E-01 1.31590E-01 1.31590E-01 1.3381E-01 1.3351E-02 1.3351E-02 1.3351E-02 1.3351E-02 1.3351E-02 2.3390E-01 1.2760E-03	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 2.3252E-00 -1.9195E-01 1.8789E-01 1.8789E-01 1.8789E-01 1.8789E-01 1.8789E-01 9.2147E-12 2.0139E-11 1.8789E-01 9.2147E-12 2.03255E-00 -6.4003E-11 9.3260E-01 9.3260E-01 9.3260E-01 5.7580E-02 2.2922E-01 5.3099E-00 5.7526E-01 1.8312E-02 1.1312E-02 1.1312E-02 1.1312E-02 1.1312E-02 1.1312E-02 1.1312E-02 1.1312E-02 2.4781E-01	1-10
P/PTINF P/PINF RHD U U V W UC WCC WCC WCC WCC WCC WCC WCC WCC WC	2.5320E-02 1.4091E-C1 2.293BE-C1 2.293BE-C1 2.2152E+00 1.9195E-01 0.3155E+CC 1.8789E-C1 2.3252E+16 1.8789E-C1 2.3755E+CC 0. 9.5781E+01 0. 0. 0. 0. 0. 0. 1.326CE-01 1.336CE-01 1.	2.58 78E-02 1.4402E-01 1.2750E-C4 2.3187E-00 2.3237E-00 2.3237E-00 1.8757E-01 -6.5950E-02 2.3241E-00 1.9288E-01 1.4933E-02 1.9176E-01 2.3241E-00 1.2956E-02 2.3241E-00 1.2956E-02 2.3241E-00 1.2956E-02 2.3241E-00 1.2956E-02 2.3188E-C1 2.4574E-01 2.474E-01 2.474E-01 2.474E-02 2.3188E-C1 2.341E-02 2.3188E-C1 2.341E-02 2.3188E-C1 2.474E-01 2.0441E-02 2.3186E-04 4.6261E-03 -1.2756E-02 -2.3982E-01 1.2756E-02	2.8650E-02 1.5944E-01 2.5670E+00 2.3183E+00 2.3183E+00 2.3175E-01 -1.1202E-01 2.3175E+00 2.1562E-01 3.3411E-02 2.1377E-01 2.3175E+00 3.3471E-02 2.1377E-01 2.3175E+00 6.7376E-02 1.8078E-01 2.3175E+00 6.7376E-02 1.8078E-01 2.3175E+00 6.7376E-02 1.9276E-02 1.9276E-03 1.076E-03 1	3.2724E-02 1.8212E-01 2.0332E-04 2.9321E+00 2.3812E+00 2.3812E+01 2.1575E-01 -1.1857E-01 -1.1857E-01 -1.1857E-02 2.1836E-02 2.4830E-02 2.4830E-01 2.3075E+00 3.6436E+01 2.3075E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0383E+01 1.3383E+01 1.3483E+01 1.3483E+01 1.3483E+01 1.3483E+01 1.3483E+01 1.3483E-02 2.5570E-01 4.4876E-02 9.3387E-01 9.7357E+01 5.3220E-05 6.2438E-03 8.2398E-03 8.2398E-03 -2.0842E-01 -1.4128E-02	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.4905E-01 5.4282E-10 2.9905E+00 2.9905E-00 2.9905E-01 2.9905E-00 2.9905E-01 2.9905E-00 2.9905E-00 2.9905E-00 2.9905E-00 2.9905E-00 2.7263E-00 9.0005E-01 1.1933E+00 6.4310E+00 6.4310E	3.2724E-02 1.8212E-01 1.033E-04 2.9321E+00 2.318E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3178E-01 1.1657E-01 1.1657E-01 1.1657E-01 1.1657E-01 1.3423E-02 2.4830E-01 2.3075E+00 2.5158E-01 2.3075E+00 2.4830E-01 2.3075E+00 3.493E-01 2.3075E+00 4.4818E-01 1.0383E+00 1.0085E+00 4.3214E-01 4.4118E-01 7.2919E+00 6.443TE+00 6.443TE+00 6.443TE+00 6.443TE+00 9.7397E+01 5.3220E-05 6.243BE-03 9.7397E+01 5.3220E-05 6.243BE-03 9.7397E+01 1.3220E-05 6.243BE-03	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 2.3183E+00 1.17262E-01 1.1202E-01 2.3175E+00 2.3158E+00 2.3158E+00 2.3175E+00 2.3176E-01 2.3177E-01 2.3177E-01 2.3175E+00 3.0176E+00 8.5546E+01 7.0084E-01 7.0084E-01 7.0377E-01 7.3377E-01 7.3377E-02 7.357E-02 7.367E-02 7	2-5878E-02 1.4402E-01 2.31759E-04 2.3187E-00 2.3227E-00 2.3227E-00 1.976E-01 6.5950E-02 1.9716E-01 1.4933E-02 1.4933E-02 1.9176E-01 2.3241E-00 2.3241E-00 1.2912E-01 2.3241E-01 3.1590E-01 3.1590E-01 3.1590E-01 3.7841E-01 3.1590E-01 5.4525E-02 2.3188E-01 5.4525E-02 2.3188E-01 5.4387E-00 5.9437E-01 2.0441E-02 9.5018E-01 1.0353E-02 9.5018E-01 1.0353E-02 9.5018E-01 1.0353E-02 -0.31867E-00 4.8261E-03 -1.2766E-02 -2.3982E-01 -1.2766E-02 -2.3982E-01 -1.2760E-03	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 2.3252E-00 1.7719E-01 0.2.3255E-00 1.8739E-01 1.8271E-11 1.8739E-01 2.3255E-00 1.8271E-11 1.8739E-01 2.3255E-00 6.9326E-01 2.3255E-00 6.9326E-01 9.3260E-01	1-10
P/PTINF RHD U U V W UC VC	2.5320E-02 1.4091E-C1 2.293BE-C4 2.2268TE+00 1.7715E+00 2.3155E+00 1.9195E-01 3.2225E-16 1.8789E-C1 2.3755E+00 0.0 0.5758E+00 0.0 0.73755E+00 0.0 0.73755E+00 0.73755E+00 0.73260E-01 1.3260E-01	2.58 78E-02 1.4402E-01 1.2750E-C4 2.31 87E-00 1.7570E+00 2.32 37E-00 1.9750E-01 -0.5950E-02 2.3241E+00 1.9288E-01 1.4933E-02 1.9176E-01 2.3241E+00 1.2956E-02 2.3241E+00 1.2956E-02 2.3241E+00 1.5256E-02 2.3241E-00 1.5256E-02 2.3241E-00 1.5256E-02 2.3241E-00 1.5256E-02 2.3186E-01 2.5256E-02 2.3186E-01 2.474E-01 2.0441E-02 2.3186E-04 2.041E-02 2.3186E-04 2.3266E-03 2.4756E-02 2.3366E-04 2.3266E-03 2.2476E-01 2.3266E-03 2.326E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.346E-03 2.346E-03 2.346E-03 2.346E-03	2.8650E-02 1.5944E-01 2.5670E+00 2.3183E+00 2.3183E+00 2.3183E+00 2.3175E-01 -1.1202E-01 -1.1202E-01 3.3411E-02 2.1377E-01 2.3175E+00 2.3576E-01 2.3175E+00 2.3576E-01 2.3175E+00 2.3175E+00 6.35746E+01 2.3175E+00 6.57546E+01 2.3175E+00 6.57546E+01 2.3175E+00 6.57546E+01 2.3175E+00 6.57546E+01 2.3175E+00 6.57546E+01 2.3175E+00 6.57546E+01 2.30525E+02 2.4127E-01 2.0576E-02 2.15076E-03 2.15076	3.2724E-02 1.8212E-01 2.0335E-04 2.9321E-00 2.3812E+00 2.3812E+01 2.1575E-01 -1.1857E-01 -	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.4930E-01 5.4282E-10 2.9930E-01 2.9930E-01 2.9930E-01 2.9930E-01 2.9930E-01 2.9950E+00 2.9930E-01 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 3.4786E-10 3.2857E-02 2.8186E-01 3.2857E-01	3.2724E-02 1.8212E-01 3.0033E-04 2.9321E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.5155E-01 1.1657E-01 1.1657E-01 1.1657E-01 1.1657E-01 1.1657E-01 1.1657E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.4643E+01 1.0363E+00 1.0065E+00 4.3214E-01 4.6116E-01 2.3075E+00 6.6437E-00 6.6437E-00 6.6437E-00 6.6437E-00 6.6437E-00 6.6437E-01 6.9637E-01	2.8650E-02 1.5944E-01 2.6254E-04 2.5670E+00 2.3183E+00 1.17262E-01 1.1202E-01 1.1202E-02 2.3175E+00 2.3158E+00 2.3158E+00 2.3176E-01 2.3176E-01 2.3177E-01 2.3175E+00 3.0176E+00 3.0176E-01 3.0176E-01 3.0176E-02 2.1176E-02 3.0176E-03	2.5878E-02 1.4402E-01 2.31759E-04 2.3187E-00 2.3237E-00 2.3237E-00 1.797CE+90 2.3237E-00 1.8728E-01 6.59750E-02 1.9176E-01 2.3241E-00 1.928E-01 2.3241E-00 1.9218E-01 2.3241E-00 1.9218E-01 2.3241E-00 8.5420E+01 3.1590E-01 3.1590E-01 3.1590E-01 2.3241E-00 3.1590E-01 2.341E-00 3.1590E-01 2.341E-00 3.1590E-01 2.341E-00 3.1590E-01 2.0441E-02 2.3188E-01 2.0441E-02 2.3188E-01 2.0441E-02 3.3847E-06 4.8261E-03 -1.2766E-02 -2.3382F-06 -1.2766E-02 -2.392E-01 -1.2760E-03 -2.2760E-03 -2.2760E-03	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 2.3252E-00 1.7719E-01 2.3255E-00 1.8739E-01 1.8271E-11 1.8749E-01 2.3255E-00 2.3255E-01 1.8312E-02 2.326E-01 1.8312E-02 2.326E-01 1.94C6E-02 2.4701E-01 2.4701E-01 2.4701E-01	I-10
P/PTINF P/PINF RHD U V W UC VC	2.5320E-02 1.4091E-C1 2.293BE-C4 2.268TE+00 1.7715E+00 1.9195E-01 0.15195E+01 1.9195E-01 1.3222E+16 1.8789E-C1 2.3755E+CC 0. 9.5781E+01 0. 0. 0. 1.3260E-01 1	2.58 78E-02 1.4402E-01 1.2750E-C4 2.31 87E-00 1.7570E+00 2.32 37E-00 1.9750E-01 -0.5950E-02 2.3241E+00 1.9288E-01 1.4933E-02 1.9176E-01 2.3241E+00 1.2956E-02 2.3241E+00 1.2956E-02 2.3241E+00 1.5256E-02 2.3241E-00 1.5256E-02 2.3241E-00 1.5256E-02 2.3241E-00 1.5256E-02 2.3186E-01 2.5256E-02 2.3186E-01 2.474E-01 2.0441E-02 2.3186E-04 2.041E-02 2.3186E-04 2.3266E-03 2.4756E-02 2.3366E-04 2.3266E-03 2.2476E-01 2.3266E-03 2.326E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.346E-03 2.346E-03 2.346E-03 2.346E-03	2.8650E-02 1.5944E-01 2.5670E+00 2.3183E+00 2.3183E+00 2.3183E+00 2.3175E-01 -1.1202E-01 3.3411E-02 2.1377E-01 2.3175E+00 3.3411E-02 2.1377E-01 2.3175E+00 6.7376E-02 1.8078E-01 2.3175E+00 6.7376E-02 1.8078E-01 2.3175E+00 6.7376E-02 1.8078E-01 2.3175E+00 6.55546E+01 7.3879E-01 7.3879E-01 7.3879E-01 7.3879E-01 7.3879E-01 7.3879E-01 7.3879E-01 7.3879E-01 7.3970E-01 1.0055E+02 2.1127E-02 9.2653E-01 1.0055E+02 1.1507E-02 9.2653E-01 1.0055E+02 1.1507E-02 9.2653E-01 1.0055E+02 1.1507E-02 9.2653E-01 1.0055E+02 1.1364E-01 1.358E-01	3.2724E-02 1.8212E-01 2.0335E-04 2.9321E-00 2.3812E+00 2.3812E+01 1.1575E-01 1.1857E-01 1.1857E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 8.6436E+01 2.3075E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0085E+00 1.0382E-01 2.3075E+01 1.3382E+01 1.3382E+01 1.3382E+01 1.3382E+01 1.342E-01 2.5570E-01 2.5770E-01	1=5 3.8207E-02 2.1263E-01 3.5065E-04 2.4234E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.3002E+00 2.4930E-01 5.4282E-10 2.9930E-01 2.9930E-01 2.9930E-01 2.9930E-01 2.9930E-01 2.9950E+00 2.9930E-01 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 2.9950E+00 3.4786E-10 3.2857E-02 2.8186E-01 3.2857E-01	3.2724E-02 1.8212E-01 1.033E-04 2.9321E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.3118E+00 2.5155E-01 1.1657E-01 1.1657E-01 1.1657E-01 1.1657E-01 1.1657E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.5155E-01 2.3075E+00 2.4649E+01 2.3075E+00 4.6418E+01 4.3214E-01 4.6116E-01 4.647E-00 6.6437E-00 6.6437E-00 6.6437E-00 6.6437E-01 6.9637E-01 1.1673E-02 8.9387E-01 5.3220E-05 6.2438E-03 9.7397E+01 5.3220E-05 6.2438E-03 9.7397E+01 5.3220E-05 6.2438E-03 9.7397E+01 1.1673E-02 8.9387E-01 1.1673E-02 8.9387E-01 1.1673E-02 8.9387E-01 1.1673E-02 8.9387E-01 1.1674E-03 1.	2.8650E-02 1.5944E-01 2.5670E+00 2.3183E+00 2.3183E+00 2.3178E+00 2.3178E+00 2.3178E+00 2.3178E+01	2-5878E-02 1.4402E-01 2.31759E-04 2.3187E-00 2.3237E-00 2.3237E-00 1.797CE+90 2.3237E-00 1.928E-01 6.59750E-02 1.9176E-01 2.3241E-00 1.928E-01 2.3241E-00 1.921E-00 1.921E-00 1.921E-00 1.921E-00 1.921E-00 1.921E-00 1.921E-00 1.921E-00 1.931E-02 2.3241E-01 2.341E-01 3.1590E-01 2.0441E-02 2.318EE-01 2.0441E-02 2.318EE-01 2.0441E-02 2.318EE-01 2.0441E-02 2.318EE-01 2.0441E-02 3.387E-06 2.33887E-06 4.8261E-03 1.1766E-02 2.3382E-01 1.27166E-02 2.3982E-01 1.2719E-03 2.2179E-03 2.2179E-03 2.2179E-03 2.2179E-03	2.5320E-02 1.4091E-01 2.3238E-04 2.2687E-00 1.7719E-01 2.3252E-00 1.8719E-01 1.8718E-11 1.8738E-01 2.3255E-00 1.8739E-01 2.3255E-00 1.8739E-01 2.3255E-00 6.9326E-01 2.3255E-00 6.9400E-10 8.5381E-01 8.4003E-11 -8.4003E-11 -8.500E-02 -2.272E-01 -8.312E-02 -2.272E-01 -8.312E-02 -8.5525E-01 -8.500E-02 -8.5525E-01 -8.500E-02 -8.5535E-15 -8.500E-02 -8.5535E-15 -8.500E-02 -8.	1-10

				ZETA= 7.CCC	:000CCE-01					
<b></b>	[=]	1=2	f= 3	[=4	1=5	6=1	[=7	f=8	[ <b>*</b> 9	1=10
P P/ROASTSQ	2,5766E-02 1.4339E-01	2.6317E-02 1.4646E-01	2.9078E-02 1.6183E-01	1.85348-01	3.9044E-02 2.1729E-01	3.3304E-02 1.8534E-01	2.9078E-02 1.6183E-01	2.6317E-02 1.4646E-01	2.5766E-02 1.4339E-01	
P/PTINF P/PINF	2.3647E-C4 2.3086E+C0	2.4153E-C4 2.3580E+00	2.6687E-04 2.6054E+00	3.0565E-04 2.9840E+00	3.5833E-04 3.4983E+00	3.0565E-04 2.9840E+00	2.6687E-04 2.6054E+00	2.4153E-04 2.3580E+00	2.3647E-C4 2.3086E+00	
RHD U	1.7541E+00 2.3265E+00	1.8184E+00 2.3249E+00	1.9381E+00 2.3192E+00	2.1133E+00 2.3125E+00	2.3358E+00 2.3069E+00	2.1133E+00 2.3125E+00	1.9381E+00 2.3192E+00	1.8184E+00 2.3249E+00	1.7941E+00 2.3265E+00	
ν.	-1.6747E-01	-1.6411E-01	-1.5586E-01	-1.5495E-01 -1.1720E-01	-1.6487E-01 5.6322E-10	-1.5495E-01 1.1720E-01	-1.5586E-01	-1.6411E-01 6.6107E-02	-1.6747E-C1	
, UC	0. 2.3243E+00	-6.6107E-02 2.3229E+00	2.3162E+00	2.3056E+00	2.2927E+00	2.3056E+00	1.1188E-01 2.3162E+00	2.32296+00	2.3243E+00	
VC WC	1.9553E-C1 3.3535E-16	2.0067E-01 1.4763E-02	2.2329E-01 3.3530E-02	2.6148E-01 3.5574E-C2	3.0424E-01 5.7628E-10	2.6148E-01 -3.5574E-02	2.2329E-01 -3.3530E-02	2.0067E-01 -1.4763E-02	1.5553E-01 1.8268E-11	
VCC WCC	1.9553E-C1	1.9910E-01	2.2043E-01 -4.8899E-C2	2.5765E-01 -5.7073E-02	3.0424E-01 5.6776E-10	2.5765E-01 5.7073E-02	2.2043E-01 4.8899E-02	1.9910E-01 2.9120E-02	1.9553E-01 8.4078E-12	
VX	0.	5.3738E-02	1.2555E-01	2.1716E-01	3.0424E-01	2.1716E-01	1.2555E-01	5.3738E-02	-2.6455E-11	
VY ·	2.3243E+00	2.3229E+00	-1.8767E-01 2.3162E+00	-1.4953E-01 2.3056E+00	5.6080E-10 2.2927E+00	1.4993E-01 2.3056E+00	1.8767E-01 2.3162E+00	1.9391E-01 2.3229E+00	1.9553E-01 2.3243E+00	
PSINOR THETNOR	0. 8.5!91E+01	1.3253E+00 8.5229E+01	3.1026E+00 8.5375E+01	5.3807E+00 B.6296E+01	7.5592E+00 9.0000E+01	5.3807E+00 8.6296E+01	3.1026E+00 8.5375E+01	1.3253E+00 8.5229E+01	-6.5215E-10 8.5191E+01	
XBAR XBHLD	0.	3.7049E-01 2.7822E-01	7.2357E-01 6.6503E-01	1.0181E+00 9.7190E-01	1.1690E+00	1.0181E+00 9.7190E-01	7.2357E-01 6.6503E-01		-8.2215E-11 -8.2215E-11	
YBAR	-8.9073E-C1	-6.3958E-01	-6.9172E-01	-4.1403E-01	-2.6737E-11 -2.6739E-11	4.1403E-01	6.9172E-C1	8.3958E-01 8.5232E-01	8.9073E-C1	
YBHLD Eta	5.0383E-C2	4.7734E-02	-7.1623E-01 4.2075E-02	3.2360E-02	2.8750E-02	4.5756E-01 3.2360E-02	7.1623E-01 4.2075E-02	4.7734E-02	8.9073E-C1 5.0383E-02	
G DE QNS	-1.9556E-C1 5.7C96E+00	-1.9844E-01 5.8171E+00	-2.0686E-01 6.3508E+00	7.4345E+0C	-2.3947E-01 9.2897E+00	-2.1837E-01 7.4345E+00	-2.0686E-01 6.3508E+00	-1.9844E-01 5.8171E+00	-1.9596E-01 5.7096E+00	
AM CRDSSM	6.9731E+00 5.0066F-01	6.9433E+00 5.2687F+01	6.8065E+00 5.6115E-01	6.6228E+00 5.5444E-01	6.4087E+00 4.5687E-01	6.6229E+00 5.5444E-01	6.8065E+00 5.6115E-01	6.9433E+00 5.2687E-01	6.5731E+00 5.0066F-01	
SBAR	1.8312E-02	2.0679E-02	3.1208E-02	4.5722E-02	6.4571E-C2 1.1905E-02	4.5722E-02	3.1208E-02	2.0679E-02	1.8312E-02	
POROGAM PT/PTINE	1.1367E-C2 9.5525E-01	1.1394E-02 9.4962E-01	9.2494E-01	8.9199E-01	8.5093E-01	8.9199E-01	9.2494E-01	9.4962E-01	1.1367E-02 9.5525E-01	
PT BERNOUL	1.04C8E+C2 9.7423E-10	1.0347E+02 -6.1188E-06	1.0078E+C2 -2.9235E-05	9.7191E+01 8.4333E-05	9.2717E+01 1.7570E-10	9.7191E+01 8.4333E-05	1.0078E+02 -2.9235E-05	1.0347E+02 -6.1188E-06	1.04C8E+02 9.7425E-10	
DPD Z DUD Z	-4.0446E-C3	-3.9933E-03 -1.1125E-02	-3.9218E-03	-5.3626E-03 -7.2159E-03	~7.9932E-03 -6.7716E-03	-5.3626E-03 -7.2159E-03	-3.9218E-03 -9.1891E-03		-4.0446E-03 -1.2054E-02	
DVD Z	-2.4236E-01	-2.3549E-01	-2.1650E-01 -8.0926E-C4	-2.0795E-Cl	-2.1025E-01	-2.0795E-01 1.3211E-02	-2.1650E-01	-2.3549E-01	-2.4236E-01 -5.7031E-12	
DSBOZ	-2.7204E-31	-2.6578E-03	-7.5013E-03	-8.9867E-03.	-2.5124E-19	-8.9867E-C3	-7.5013E-03	-2.6578E-03	5.2815E-27	
PP UP	2.0973E-16 -1.1439E-13	-6.8260E-02		-1.2976E-C1	-8.4385E-10 1.2879E-09	1.2976E-01	1.1815E-01	-2.9228E-02 6.8260E-02	-3.6527E-13	
VP WP	1.7061E-15	1.2538E-01 -1.0659E+00	1.0586E-01 -6.1211E-01	-1.2171E-01 1.0659E+00	-8.8705F-09 2.4731E+00	1.2171E-01 1.0659E+00	-1.0586E-01 -6.1211E-01	-1.2538E-01 -1.0659E+00	2.6580E-14 -1.2489E+00	
SBARP			2.3075E-01	3 43305-01	-2 40005-00	-3 42205-01	-2 20755-01	-1 17005-01	-8.4613E-16	
SDARF	-1.04045-15	1.1700E-01	2.30/36-01	3.02206-01	~2.0009E-09	-3.02505-01	-2.30/36-01	-1.1/002-01	-0140150-10	
JDAKF	-[.0409E-15	1.1700E-01	2.30756-01	ZETA= 6.000		-3.62202-01	-2.30796-01	-1117002-01	-0.40150-10	
SDARF	[=?	I=2	1=3	ZETA= 6.000	00000E-01 I=5	I=6	1=7	I = 8	I=9	1=10
P P/RDASTSQ	I=! 2.6134E~02 1.4544E~01	I=2 2.6681E-02 1.4849E-01	I=3 2.9437E-02 1.6382E-01	I=4 3.3758E-C2 1.8810E-01	00000E-01 I=5 3.9807E-02 2.2153E-01	I=6 3.3798E-02 1.8810E-01	f=7 2.9437E-02 1.6382E-01	I=8 2.6681F-02 1.4849E-01	I=9 2.6134E-02 1.4544E-01	1=10
P P/ROASTSQ P/PTINF P/PINF	I=? 2.6134E-02 1.4544E-01 2.3585E-C4 2.3416E+00	I=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00	I=3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00	ZETA= 6.000 I=4 3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E+00	3.9807E-02 2.2153E-01 3.6533E-04 3.5667E+00	I=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00	1=7 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00	I=8 2.6681F-02 1.4849E-01 2.4487E-C4 2.3906E+90	I=9 2.6134E-02 1.4544E-01 2.3985E-C4 2.3416E+00	1=10
P P/ROASTSQ P/PTINF	I=! 2.6134E-02 1.4544E-01 2.3985E-04	I=2 2.6681E-02 1.4849E-01 2.4487E-04	I=3 2.9437E-02 1.6382E-01 2.7016E-04	ZETA= 6.000 I=4 3.3758E-C2 1.8810E-01 3.1019E-04	00000E-01 I=5 3.9807E-02 2.2153E-01 3.6533E-04	I=6 3.3798E-02 1.8810E-01 3.1019E-04	1=7 2.9437E-02 1.6382E-01 2.7016E-04	I=8 2.6661F-02 1.4849E-01 2.4467E-C4 2.3906E+00 1.8359E+00 2.3259E+00	I=9 2.6134E-02 1.4544E-01 2.3985E-C4	1=10
P P/ROASTSQ P/PTINF P/PINF RHO U	I=? 2.6134E-02 1.4544E-01 2.3985E-04 2.3416E+00 1.8124E+00 2.3276E+00	I=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 1.8359E+00 -1.4070E-01	1=3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 1.9540E+00 2.32C1E+00	ZETA= 6.000 I=4 3.3758E-C2 1.8810E-01 3.1019E-04 3.0223E+00 2.1342E+00 2.3132E+00 2.3111E-01	3.9807E-02 2.2153E-01 3.5533E-04 3.5667E+00 2.3684E+00 2.3075E+00	I=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 -1.3411E-01	I=7 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 1.5540E+00 2.3201E+00	I=8 2.6661F-02 1.4849E-01 2.4467E-02 2.3406E+90 1.8359E+00 2.3259E+00 -1.4070E-01	I=9  2.6134E-02 1.4544E-01 2.3985E-C4 2.3416E+00 1.8124E+00 2.3276E+00	[=]0
P P/RDASTSQ P/PTINF P/PINF RHO U V W	I=? 2.6134E-02 1.4544E-01 2.3785E-04 2.3416E+00 1.8124E+00 2.3276E+00 -1.4341E-01 0. 2.3232E+00	I=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 1.8359E+00 -1.4070E-01 -6.6315E-02 2.32217E+00	I=3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 1.9540E+00 -1.3423E-01 -1.1185E-01 2.3149F+00	ZETA= 6.000 I=4 3.3758E-C2 1.8810E-01 3.1019E-04 3.02E3E+00 2.1342E+00 2.3132E+0C -1.3411E-C1 -1.1592E-01 2.3038E+00	3.9807E-02 2.2153E-01 3.6533E-04 3.5667E+00 2.3675E+00 2.3675E+00 1.4369E-01 5.8316E-10 2.2903E+00	I=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.3132E+00 -1.3611E-01 1.1592E-01 2.3038E+00	I=7 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 1.5540E+00 -1.3423E-01 1.1185E-01 2.3149E+00	I=8  2.6661F-02 1.4849E-01 2.4467E-04 2.3906E+90 1.8359E+90 -1.4070E-01 6.6315E-02 2.3227E+00	I=9 2.6134E-02 1.4544E-01 2.3985E-C4 2.3416E+00 1.6124E+00 -1.4341E-01 0. 2.3276E+00	1=10
P P/RDASTSQ P/PTINF P/PINF RHO U V W UC VC VC	I=? 2.6134E-02 1.4544E-01 2.3585E-04 2.3416E-00 1.8124E-02 2.3276E-01 0.23232E+00 2.0276E-01 3.4776E-16	1=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 1.8359E+00 -2.3259E+00 -1.4070E-01 -6.6315E-02 2.3217E+00 2.0814E-01 1.4553E-02	1=3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 0.3501E+00 -1.3423E-01 2.3149E+00 2.3067E-01 3.3538E-02	ZETA= 6.000  1-4  3.3758E-C2 1.8810E-01 3.1019E-04 3.02E38+00 2.1342E+00 2.1342E+00 -1.3411E-C1 -1.1552E-C1 2.3038E+00 2.7146E-01 3.6832E-C2	3.9807E-02 2.2153E-01 3.6533E-04 3.5657E+00 2.3684E+00 2.3675E+00 1.4369E-01 5.8316E-10 2.2903E+00 3.1572E-01 5.9622E-10	I=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 -1.341E-01 1.1592E-01 2.3038E+00 2.7146E-01 -3.6832E-02	1=7 2.9437E-02 1.632E-01 2.7016E-04 2.6375E-00 1.9540E+00 -1.3423E-01 2.3149E+00 2.3067E-01 3.3538E-02	I=8  2.6661F-02 1.4849E-01 2.4467E-C4 2.3906E+00 1.8359E+00 -1.3259E+00 -1.4070E-01 6.6315E-02 2.3227E+00 2.0814E-01 -1.4553E-02	I=9  2.6134E-02 1.4544E-01 2.3985E-C4 2.3416E-00 1.6124E-00 2.3276E-C0 -1.4341E-01 0. 2.3232E+00 2.0276E-11	f=10
P P/RDASTSO P/PTINF P/PINF RHO U W W UC	I=? 2.6134E-02 1.4544E-01 2.3785E-C4 2.3416E-00 1.8124E-C0 2.3276E-C0 0. 2.3232E+C0 2.0276E-C1	I=2 2.6681E-02 1.4849E-01 2.4467E-04 2.3906E+00 2.3259E+00 2.3259E+00 -1.4070E-01 -6.6315E-02 2.3217E+00	1-3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-04 2.32C1E+00 -1.3423E-01 -1.1182E-02 2.3087E-01 2.3087E-02 2.2684E-01 2.4584E-02 2.2684E-01 2.54511E-02	ZETA= 6.000 1=4 3.3758E-C2 1.8810E-01 3.1019E-04 3.0223E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+02 2.1342E-02 2.146E-01 3.6832E-C2 2.6693E-01 6.1617E-02	00000E-01 I=5 3.9807E-02 2.2153E-01 3.6567E+00 2.3668E+00 2.3675E+00 -1.4369E-01 5.8316E-10 2.2903E+00 3.1572E-01 3.1572E-01 3.1572E-01	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 -1.3411E-01 1.1592E-01 2.3038E+00 2.7146E-02 2.6093E-01 2.6093E-01	I=7 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-00 1.55540E+00 2.3201E+00 1.342E-01 2.3149E+00 2.33087E-01	1=8  2.6681F-02 1.4849E-01 2.4487E-C4 2.3906E-01 1.8359E-00 -1.4070E-01 6.6315E-02 2.0814E-01 -1.4543E-02 2.0663E-01 2.2926E-02	I=9 2.6134E-02 1.4544E-01 2.3985E-C4 2.3416E+00 2.3276E+00 2.3276E+00 0.3232E+00 2.3232E+00 2.3276E-C1	1=10
PPPROASTSO PPPTINF PPPINF RHO UV V VC VC VCC VCC VCC VX	1=! 2.6134E-02 1.4544E-01 2.3416E+00 1.6124E-00 0.23276E+01 0. 2.3276E-01 3.4776E-16 2.0276E-01 0.	1=2 2.6681E-02 1.4849E-01 2.4457E-04 2.3906E+00 1.8359E+00 -1.4070E-01 -6.6315E-02 2.3227E+00 2.0814E-01 -1.4543E-02 2.0603E-01 -3.2936E-02 5.4983E-02	1-3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-00 1.9540E-00 2.3201E-00 -1.3423E-01 2.3149E-00 2.3087E-01 3.3538E-02 2.2684E-01 -5.4511E-02 1.2879E-01	ZETA= 6.000  1-4  -3.3758E-C2 1.8810E-C1 3.1019E-04 3.0223E+00 2.1342E+00 2.1342E+01 2.3132E+02 2.3132E+02 2.3132E+03 2.313E+03 2.7146E-01 3.6032E-C2 2.6693E-01 -6.1617E-02 2.2538E-01	00000E-01 I=5 3.9807E-02 2.2153E-01 3.6533E-04 3.5667E-00 2.3675E-02 -1.430E-01 5.8316E-10 2.2903E-00 5.952E-10 5.952E-10 5.872E-01 5.872E-01	I=6 3.3798E-02 1.8810E-01 3.1019E-01 3.0283E-00 2.1342E-00 -1.3411E-01 1.1592E-01 2.3038E-00 2.7146E-01 -3.6832E-02 2.6693E-01 6.1617E-02 2.2538E-01	1=7 2.9437E-02 1.6332E-01 2.7016E-04 2.6375E-00 1.5540E-00 2.3207E-00 -1.3423E-01 2.3149E-00 2.3149E-00 2.3037E-01 -3.3538E-02 2.2624E-01 5.4511E-02	1=8 2.6681F-02 1.4849E-01 2.4467E-04 2.3906E-00 1.8379E-00 -1.4070E-01 6.6315E-02 2.3227E-00 -1.4574E-01 -1.4543E-02 2.0663E-01 3.2926E-02 5.4928E-02	1=9 2.6134E-02 1.4544E-01 2.3985E-04 2.3416E+00 1.8124E+00 0.23276E-01 0.2.3232E+00 1.8232E+00 1.8265E-11 2.0276E-01 7.5457E-12 2.0756E-01	1=10
PPROASTSO PPTINF PPTINF RHO UV V VC VC VCC VCC VCC VCV VY VY	1=! 2.6134E-02 1.4544E-01 2.3416E+00 1.6124E-00 0.3276E-01 0.23276E-01 3.4776E-16 2.0276E-01 0.2323E+00	1=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906F00 1.8339F00 -1.4070E-01 -0.6315E-02 2.3217E-00 2.0814E-01 -1.4543E-02 2.0603E-01 -3.2936E-02 -2.0127E-01 2.3217E+00	1-3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-00 1.9580E-00 2.32C1E-00 -1.3423E-01 2.3149E-00 2.3087E-01 3.3538E-02 2.2664E-01 -5.4511E-02 1.2879E-01 -1.9453E-01	ZETA= 6.000  1-4  -3.3758E-C2 1.8810E-01 3.1019E-04 3.0223E+00 2.1342E+00 2.1342E+01 2.3132E+02 -1.3541E-01 2.3038E+00 2.146E-01 3.6892E-C2 2.6693E-01 -6.1617E-02 2.2538E-01 -1.5572E-C1	00000E-01 I=5 3.9807E-02 2.2153E-01 3.6533E-01 3.5667E-00 2.3668E-00 2.3675E-00 1.4369E-01 5.8316E-10 5.9622E-10 5.9622E-10 5.8720E-10 5.8720E-10 5.8720E-10 5.8720E-10	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0233E+00 2.1342E+00 1.3411E-01 1.1592E-01 2.3038E+00 2.7146E-01 -3.6832E-02 2.6693E-01 6.1617E-02 2.2538E-01 1.5572E-01	1=7 2.9437E-02 1.6382E-01 2.7016E-04 2.6375F+00 1.5560E-00 2.32016+00 -1.3423E-01 2.3149E-00 2.3037E-01 -3.3538E-02 2.3049E-01 5.4511E-02 2.2664E-01 5.4511E-02 2.2679E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E-00 1.8359E-00 2.3229E-00 -1.4070E-01 6.6315E-02 2.3217E-00 2.0814E-01 -1.4543E-02 2.0663E-01 3.2926E-02 2.0127E-01 2.3217E-00	I=9  2.6134E-02 1.4546E-01 2.3985E-C4 2.3416E-00 1.8124E-00 0.23276E-C1 1.8232E+00 1.8232E-00 7.5457E-11 2.0276E-01 2.0276E-01 2.0276E-01 2.0276E-01 2.0276E-01 2.0276E-01	I=10
PARDASTSO PAPTINF PAPTINF RHO U V W UC UC UC VCC VCC VCC VCV VY VZ PSINOR THETNOR	1=!  2.6134E-02 1.4544E-01 2.3545E-04 2.3416E-00 1.6124E-00 -1.4341E-01 0.23232E+00 0.20276E-01 2.0276E-01 0.020276E-01 0.23232E+00 0.8.5012E+01	1=2 2.6681E-02 1.4849E-01 2.4487E-01 2.3996E+00 1.8399E+00 1.4070E-01 1.6315E-02 2.3217E+00 2.0814E-01 1.4543E-02 2.0603E-01 -3.2936E-02 2.0127E-01 1.3566E+00 1.3566E+00	1-3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 1.9540E+00 2.32C1E+00 -1.3423E-01 2.3149E-00 2.3087E-01 3.3538E-02 2.2664E-01 -5.4511E-02 2.2664E-01 -1.9453E-01 2.3149E+00 3.1843E+00 3.1843E+00 3.1843E+00	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E-00 2.1342E+00 2.3132E+00 2.3132E+00 2.7146E-01 2.3038E+00 3.682E-C2 2.6693E-01 -6.1617E-02 2.3038E+00 5.5876E+00 5.5876E+00	00000E-01 I=5 3.9807E-02 2.2153E-01 3.563E-03 3.5647E-00 2.3698E+00 2.3698E+00 2.3698E+00 2.3698E-01 3.1572E-01 5.8216E-10 5.822E-10 5.8720E-10 5.8720E-10 5.8720E-10 5.8720E-10 5.8720E-10 5.8720E-10 5.8720E-10 5.8720E-10 6.87	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0233E-00 2.1342E+00 2.3132E+00 2.3132E+00 2.3038E-00 2.7146E-01 -3.6832E-02 2.6693E-01 6.1617E-02 2.3038E+00 5.5876E+00	1=7 2.9437E-02 1.6332E-01 2.7016E-04 2.6375F+00 1.5540E+00 2.32016-00 -1.3423E-01 1.1185E-01 2.3149E-00 2.3037E-01 -3.3538E-02 2.3049E-01 1.4453E-01 2.2664E-01 5.4511E-02 2.2664E-01 5.4511E-02 2.2664E-01 6.45264E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E+00 1.8359E+00 -1.4070E-01 2.3227E-00 2.3227E-00 3.2926E-02 2.0663E-01 3.2926E-02 2.0127E-01 2.3227E-00 1.3566E+00	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.3416E+00 1.8124E+00 2.3276E+00 2.3232E+00 2.0276E-01 3.0276E-01 3.0276E-01 3.0276E-01 3.0276E-01 3.0276E-01	t=10
PPROASTSO PPPTINF PPTINF RHO U V W UC VC VC VC VC VC VC VX VY VZ PSINOR THETNOR XBALD	1=!  2.6134E-02 1.6544E-01 2.358E-04 2.3416E-00 1.6124E-00 -1.4341E-01 0.23232E+00 0.2076E-01 2.0276E-01 0.20276E-01 0.3232E+00 0.835012E+01 0.0	1=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 1.8339E+00 1.4070E-01 1.6315E-02 2.3217E+00 2.0814E-01 1.4543E-02 2.0603E-01 2.3217E+00 1.3566E+00 1.452E-01	1-3 2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 1.9540E+00 2.32C1E+00 -1.3423E-01 2.3149E-00 2.3087E-01 3.3538E-02 2.2664E-01 -5.4511E-02 2.2664E-01 -1.9453E-01 2.3149E+00 3.1843E+00	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.02E3E-00 2.1342E+02 2.3132E+02 2.3132E+02 2.3138E+02 2.7146E-01 3.6832E-C2 2.2538E-01 -6.1617E-02 2.2538E-00 -1.2573E-01 -1.2573E-01 -1.2573E-01 -1.2573E-01 -1.2573E-01 -1.2573E-01 -1.2573E-01 -1.2333E+00	00000E-01 I=5 3.9807E-02 2.2153E-01 3.563E-03 3.5647E-00 2.368F-00 2.368F-00 2.375F-00 1.4369E-01 5.8316E-10 2.2903E-00 5.8720E-10 5.8720E-10 5.8720E-10 5.8720E-10 6.8720	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0233E-00 2.1342E+00 2.3132E+00 1.3912E-01 2.3038E-00 2.7146E-01 -3.6832E-02 2.6693E-01 6.1617E-02 2.3038E+00 5.5876E+00 9.7985E-01 9.3387E-01	1=7 2.9437E-02 1.632E-01 2.7016E-04 2.6375F+00 1.5540E+00 2.32016-00 -1.3423E-01 2.3149E-00 2.3037E-01 -3.3538E-02 2.3049E-01 -3.4531E-02 2.2664E-01 5.4511E-02 2.3149E-00 3.1843E+00 3.1843E+00 3.1843E+01 6.5204E+01 7.Ce39E-01 6.2780E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E-00 1.8359E-00 2.3227E-00 2.3227E-00 2.0814E-01 -1.4543E-02 2.0663E-01 3.2926E-02 2.0127E-01 2.3227E-00 1.3566E-00 1.3566E-00 1.3566F-00 1.3666F-00 2.4172E-01	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.3416E+00 1.8124E+00 0.2.3276E+00 -1.424E-01 2.0276E-01 2.0232E+00 -6.5986E-10 8.6031E-11	t=10
P P P P P P P P P P P P P P P P P P P	1=?  2.6134E-02 1.4544E-01 2.35485E-04 2.3416E+00 2.3276E+00 2.3276E+00 2.0276E-01 2.0276E-01 2.3232E+00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1=2  2.6681E-02  1.4849E-01  2.4467E-04  2.3906E+00  2.32259E+00  2.6135E-02  2.3217E+00  2.014F-01  3.4936E-02  5.4983E-02  2.0127E-01  2.3217E-00  2.3217E-00  2.3217E-00  2.3217E-00  2.3217E-01  2.3217E-00  2.3217E-00	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3047E-01 -1.1165E-01 -2.3149E+00 2.3047E-01 -2.4549E-01 2.3149E+00 3.1643E-01 -1.9453E-01 2.3149E+00 6.5204E+01 -1.9453E-01 -1.9453E-01	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 2.3038E+00 2.7146E-01 2.3038E+00 2.752E-C1 2.3038E-00 8.6151E+01 9.3785E-01 9.3785E-01 9.3785E-01	00000E-01 I=5 3.9807E-02 2.2153E-01 3.5633E-03 3.5633E-03 3.5635E-03 2.3684E-00 2.3675E+00 1.4396E-01 5.8316E-10 2.2903E-00 3.1572E-01 3.1572E-01 3.1572E-01 3.1572E-01 2.2903E+00 4.8016E-01 2.803E-01 2	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 2.3038E+00 2.7146E-01 2.3038E-00 2.7538E-01 2.3038E+00 6.6151E+01 9.3798E-01 9.3798E-01	1=7  2.9437E-02 1.632E-01 2.7016E-04 2.6375E+00 2.3201E+00 2.3201E+00 2.3149E+00 2.3047E-01 1.1185E-01 2.3149E+00 2.3048E-01 2.4549E-01 2.4549E-01 2.4549E-01 2.4549E-01 2.4549E-01 2.4549E-01 2.4549E-01 2.4549E-01 2.4549E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3406E+00 2.32276E+00 2.32276E+00 2.0214E-01 2.4545E-02 2.0623E-01 2.4926-02 2.0127E-01 2.3227E+00 2.027E-01 2.3227E+00 2.027E-01 2.3227E+00 2.0127E-01 2.0127E-01 2.0127E-01 2.0127E-01	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.3416E+00 2.3276E+C0 -1.4241E-01 0. 2.3222E+00 2.0276E-C1 1.6265E-11 2.0276E-C1 2.0276E-C1 2.0273E-00 2.0278E-C1 8.5012E-01 8.5012E+01 8.5012E+01	1=10
P/ROASTSQ P/PTINF P/PINF RHO U V WC VC VC VC VC VY VZ VY VZ THETNOR XBHLD YBHLD YBHLD ETA	1=?  2.6134E-02 1.4544E-01 2.35455E-04 2.3416E+00 2.3276E+00 2.3276E+01 2.3232E+00 2.0276E-01 2.32322E+00 0. 0. 0. 0. 8.5012E+01 0. 0. 9. 9.4895E-01 8.4895E-01 4.3185E-02	1=2  2.6681E-02  1.4849E-01  2.4467E-04  2.3906E+00  2.32259E+00  2.3217E+00  2.0814E-01  3.4543E-02  2.0603E-01  3.4543E-02  2.0127E-01  2.3217E+00  2.3217E+00  2.0603E-01  3.2936E-02  5.4983E-02  5.4983E-02  2.0127E-01  2.3217E-00  8.5047E-01  -8.1685E-01  -8.1685E-01  -8.1685E-01	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3067E-01 -1.1165E-01 -1.3423E-01 -1.3423E-01 -1.3453E-02 2.2648E-03 -1.9453E-02 2.3149E+00 6.5204E+01 -1.9453E-01 6.3149E+00 6.5204E+01 6.2780E-01 -6.6013E-01 -6.6013E-01 -6.9290E-01	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E-02 2.0588E+00 2.7146E-01 2.3038E+00 2.758E-01 9.3785E-01 9.3785E-01 9.3785E-01 9.3785E-01 9.3785E-01 9.3785E-01	00000E-01 I=5 3.9807E-02 2.2153E-01 3.5633E-01 4.553E-01 3.5657E-00 2.3684E+00 2.3675E+00 5.8316E-10 3.1572E-01 5.872E-10 3.1572E-01 5.872E-10 2.2903E+00 9.000E+01 1.1448E+00 1.1448E+00 1.1448E+01 -2.552FE-12 -2.5550E-11 -2.5550E-11	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 1.3411E-01 1.1592E-01 2.3038E-00 2.7146E-01 2.3038E-00 2.56876E+00 8.6151E+01 9.3987E-01 9.3987E-01 9.3987E-01	1=7  2.9437E-02 1.632E-01 2.7016E-04 2.6375E+00 2.3201E+00 2.3201E+00 2.3201E+00 2.3149E+00 2.3087E-01 2.3149E+00 2.3087E-01 2.3149E+00 2.3087E-01 2.3149E+00 6.5204E+01 2.3149E+00 6.5204E+01 6.2780E-01 6.2780E-01 6.2970E-01	1=8  2.6661F-02 1.4849E-01 2.4467E-C4 2.3906E+00 2.32259E+00 2.32275E+00 2.0317E-02 2.0663E-01 2.3227E-00 2.0327Te-01 2.3227Te-00 2.3227Te-00 2.3227Te-00 2.3227Te-01 2.3227Te-00 2.3227Te-01	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.34165+00 2.32766+C0 -1.4241E-01 0. 2.3222E+00 2.0276E-C1 1.6265E-11 2.0276E-01 2.0	1=10
P P P P P P P P P P P P P P P P P P P	1=?  2.6134E-02 1.4544E-01 2.35455E-04 2.3416E+00 2.3276E+00 2.32276E+01 2.3222E+00 2.0276E-01 2.32322E+00 0. 0. 0. 0. 8.5012E+01 0. 0. 0. 8.4805E-01 4.3185E-02 -1.4318E-02 -1.5477E+00	1=2  2.6681E-02  1.4849E-01  2.4487E-04  2.3906E+00  1.8359E+00  2.32279E+00  2.0317E+00  2.0317E+00  2.0414E-01  1.45543E-02  2.0603E-01  2.3217E+00  2.3217E+00  2.3217E+00  2.3217E+00  2.3217E-01  2.3217E-01  2.3217E-01  2.3217E-01  2.3217E-01  2.3217E-01  2.3217E-01  2.4152E-01  8.1685E-01  8.1685E-01  -8.075E-01  -8.1685E-01  -1.655E-01  -1.655E-01  -1.655E-01	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3067E-01 -1.1185E-01 -2.3149E+00 2.3067E-01 -2.3149E+00 2.3098E-02 2.2684E-01 -1.9453E-01 -2.3149E+00 6.5204E+01 -6.9039E-01 6.2780E-01 -6.9039E-01 -6.9036E-01 -6.9036E-01 -6.9036E-01 -6.9036E-01 -6.9036E-01	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1346E-01 2.3038E+00 2.146E-01 2.3038E+00 6.1617E-02 2.2538E-01 2.3038E+00 6.1615E+01 2.3038E+00 6.1615E+01 2.3038E+00 6.4038E-01 2.3038E+00 6.4038E-01 2.3038E+00 6.4038E-01 2.3038E+00 6.4038E-01 2.3038E-00 6.4038E-01 4.348E-01 4.348E-01 2.7738E-02 -1.8286E-01	00000E-01  1=5  3.9807E-02 2.2153E-01 3.6533E-03 4.553E-03 2.3684E-00 2.3675E+60 2.3675E+60 2.3675E-60 3.1572E-01 2.5527E-10 2.5527E-10 2.5527E-10 2.5527E-10 2.5527E-10 2.5527E-10 2.5527E-10 2.5527E-10 2.5527E-10 2.5526E-10 2.4643E-10	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 1.5572E-01 2.3038E-00 2.7146E-02 2.5038E-01 2.3038E-00 6.6151E-01 9.3397E-01 9.3397E-01 9.3397E-01 4.5434E-01 9.3397E-01 4.5434E-01	1=7  2.9437E-02 1.632E-01 2.7016E-04 2.6375E+00 2.3201E+00 2.3201E+00 2.3149E+00 2.3087E-01 1.1185E-01 2.3149E+00 2.3087E-01 2.3149E+00 2.3264E-01 2.3149E+00 6.5204E+01 6.72780E-01 6.2780E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E+00 2.32279E+00 2.32279E+00 2.0214E-01 1.4574E-02 2.0673E-01 2.3227E+00 2.0217E-01 2.3227E+00 2.0227E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.34165E00 2.32766-C0 -1.4241E-01 0. 2.3225E+00 2.02766-C1 1.6265E-11 2.02766-C1 2.0232E+00 2.02766-C1 2.0232E+00 6.59866-10 8.5012E+01 8.6031E-11 -8.0431E-11 -8.0431E-11 -8.0431E-11 -8.0431E-11 -8.0431E-11 -8.0431E-11	1=10
P/ROASTSQ P/PTINF P/PINF RHO U V W UC VC VC VC VC VY VI VI VI VSINDR THETNOR XBAR XBHLD YBAR YBHLD ETA G DEQNS AM CROSSM	1=?  2.6134E-02 1.4544E-01 2.35455E-04 2.3416E+00 2.3276E+00 2.32276E+01 0.0. 2.3222E+00 0.0. 2.3232E+00 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0.	1=2  2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 2.32259E+00 2.3217E+00 2.0315E-02 2.0614E-01 1.45548-02 2.0614E-01 2.3217E+00 2.0217E-01 2.3217E+00 2.3217E+00 2.067E-01 2.3217E-01 2.3217E-01 2.3217E-01 2.3217E-01 2.3217E-01 2.3217E-01 2.3217E-01 2.3217E-01 2.3217E-01 2.6260E-01 2.6260E-01 2.6260E-01 2.6260E-01 6.6564E-01 6.656E-01 6.656E-01 6.6754E-00 6.975E-00	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3067E-01 -1.1185E-01 -2.3149E+00 2.3067E-01 -2.3149E+00 2.3049E-01 2.3149E+00 3.1643E+00 6.7260E-01 -6.923E-01	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1346E-01 2.3038E+00 2.7146E-01 2.3038E+00 6.1617E-02 2.2538E-01 2.3038E+00 6.16151E+01 2.3038E+00 6.16151E+01 2.3038E+00 6.2046E-01 4.2434E-01 4.2434E-01 4.2434E-01 4.2434E-01 4.2434E-01 4.2434E-01 4.2434E-01 6.0047E+00 6.0047E+00 6.0047E+00 6.0047E+00	00000E-01  I=5  3.9807E-02 2.2153E-01 3.6533E-03 3.6535E-03 2.3684E-00 2.3675E+00 2.3675E+00 2.3675E+00 2.3675E-01 5.8316E-10 2.2903E-00 3.1572E-01 3.1572E-01 3.1572E-01 3.1572E-01 3.1572E-01 3.1572E-01 2.2903E+00 4.0000E+01 1.1448E+00 1.1448E+00 1.1448E+00 1.1448E+00 1.1448E+00 1.1448E+00 1.245530E-11 -2.55530E-11 -2.55530E-11 -2.55530E-11 -2.55530E-10 -2.4643E-12 -1.9942E-01 -3.9707E-01	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0238E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 1.5572E-01 2.3038E+00 2.7146E-02 2.5538E-01 2.3038E+00 6.6151E+01 9.3397E-01 9.3397E-01 9.3397E-01 4.5434E-01 9.3397E-01 4.5434E-01	1=7  2.9437E-02 1.632E-01 1.7016E-04 2.6375E+00 2.3201E+00 2.3201E+00 2.3201E+00 2.3149E+00 2.3087E-01 1.1185E-01 2.3149E+00 2.3087E-01 2.3149E+00 3.4879E-01 2.3149E+00 6.5204E+01 6.2780E-01 6.2780E-01 6.2780E-01 6.2790E-01 6.5043E+00 6.5043E+00 6.7911E+00	1=8  2.6661F-02 1.4849E-01 2.4467E-C4 2.3906E+00 2.32276E+00 2.32276E+00 2.0217E+00 2.0217E+00 2.0217E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.34165E00 2.32766-C0 -1.4241E-01 0. 2.32766-C1 1.6265E-11 2.0276E-C1 2.02736E-01 2.0273E-01 2.0276E-01 2.0273E-00 2.0276E-01 2.04696E-01 8.4695E-01 8.4695E-01 8.4695E-01 6.434E-02 -1.6634E-01 -1.6634E-01 -1.6755E-02 -1.6634E-01 -1.6755E-02 -1.6755E-02	1=10
P/RDASTSQ P/PTINF P/PINF RHO U V V C VC VC VC VC VC VZ VY VS INTENDR THETNOR XBHLD YBAR YBHLD ETA G DEQNS AM	1=? 2.6134E-02 1.4544E-01 2.3985E-04 2.3416E+00 1.8124E+00 1.8124E+00 2.3276E+00 2.32276E-01 3.4776E-16 2.0276E-01 0. 2.0276E-01 0. 2.0276E-01 0. 3.4895E-01 4.3185E-02 1.6434E-01 5.9707E+00	1=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 1.4359E+00 2.3259E+00 2.3259E+00 2.3217E+00 2.3217E+00 2.0814E-01 1.4553E-02 2.0603E-01 2.54983E-02 2.0127E-01 2.3566E+00 1.3566E+00 4.0915E-02 4.0915E-02 4.0915E-04 4.0915E-04 4.0275E+00 4.6275E+00 4.6275	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3067E-01 -1.1185E-01 -2.3149E+00 2.3067E-01 2.3149E+00 2.3049E-01 2.3149E+00 3.1683E+00 6.720E-01 6.2780E-01 6.2780E-01 6.2780E-01 6.2780E-01 6.5043E+00 6.7910E-01 6.5043E+00 6.7911E+00	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0228E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1346E-01 2.3038E+00 2.1146E-01 2.3038E+00 6.1617E-02 2.2538E-01 2.3038E+00 6.16151E+01 2.3038E+00 6.16151E+01 2.3038E+00 6.0454E-01 4.343E-01 4.738E-01 4.738E-01 4.738E-02 1.4286E-01 2.7738E-02 1.4286E-01 2.7738E-02 1.4286E+01 2.7738E-02 1.4286E+01 2.7738E-02 1.4286E+01	00000E-01  I=5  3.9807E-02 2.2153E-04 3.5657E-00 4.35667E-00 2.3675Fe+00 -1.4359E-01 5.8316E-10 2.2903E+00 3.1572E-01 5.8726F-01	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 1.5572E-01 2.3038E-00 2.7146E-02 2.2538E-01 2.3038E+00 6.6151E+01 9.398F-01 9.398F-01 9.398F-01 9.398F-01 9.398F-01 9.398F-01 9.398F-01	1=7 2.9437E-02 1.632E-01 2.7016E-04 2.6375E-00 2.3201E+00 2.3201E+00 2.3201E+00 2.3201E+00 2.3301E-01 2.3149E-00 2.3037E-01 2.3149E-00 2.3037E-01 2.3149E-00 2.3049E-01 6.601E-02 2.664E-02 6.6013E-01 6.6013E-01 6.6013E-01 6.604E-02 2.6044E-02 2.6044E-02 2.6044E-02 2.6044E-02 2.6044E-03 2.6044E-03 2.6044E-03 6.7911E-00	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E+00 2.32596E+00 1.4379E-01 2.32596E+00 2.32596E+00 2.32596E+00 2.32596E-02 2.0314E-01 2.0663E-01 3.2936E-02 2.0127E-01 2.0663E-01 3.566E+00 4.0915E-02 4.0915E-02 4.0915E-04 4.0915E-04 4.0927E-04	I=9  2.6134E-02 1.454E-01 2.3685E-04 2.3616E+00 2.3276E+00 1.8124E+00 2.3276E+00 1.8232E+00 2.3276E-01 1.8265E-11 2.0276E-01 7.5657E-12 2.0276E-01 2.3232E+00 6.5986E-10 8.4695E-01 8.4695E-01 8.4695E-01 4.3185E-02 1.634E-01 5.9707E+00 4.2785E-01	I=10
P/ROASTSQ P/PTINF P/PINF UC VC VC VC VC VC VC VZ VY VZ PSINOR THETNOR XBMLD YBAR YBMLD ETA G DEQNS AM CROSS M SBAR PORGGAM PT/PTINF	1=?  2.6134E-02 1.4544E-01 2.3985E-04 2.3416E+00 1.8124E+00 2.3276E+00 2.3276E+01 3.4776E-16 2.0276E-01 0. 3.4895E-01 4.3185E-02 1.6434E-01 5.9707E+00 0.5575E+00 4.7185E-01 1.8312E-02 1.1367E-02 1.1367E-02 1.1367E-02	1=2 2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 1.4359E+00 2.3259E+00 2.3259E+00 2.3217E+00 2.3217E+00 2.3217E+00 2.3217E-00 2.3613E-02 2.0613E-02 2.0638E-01 2.54938E-02 2.0127E-01 2.54938E-02 2.0127E-01 2.5493E-02 2.0127E-01 2.5260E-01 2.4152E-01 8.0076E-01 4.0915E-02 4.0915E-02 4.0925E-01 4.0936E-02 1.1297E-02	1-3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-00 2.32C1E+00 2.32C1E+00 1.3423E-01 -1.3423E-01 -1.3423E-01 -2.3149E-00 2.3067E-01 3.3538E-02 2.2684E-01 -5.4511E-02 2.2684E-01 -5.4511E-02 2.3149E-00 3.1843E-00 1.2879E-01 -6.6013E-01 6.2780E-01 -6.6013E-01 6.5043E-00 6.7911E+00 5.0999E-01 3.2040E-02 1.1524E-02 9.2302E-01	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E-00 2.1342E+00 2.3132E+00 2.3132E-01 2.3038E-01 2.3038E-01 2.1552E-01 2.3038E-01 2.16593E-01 2.15572E-01 2.3038F-01 -1.5572E-01 2.3038F-01 -1.5772E-01 2.3038F-01 -1.5772E-01 2.3038F-01 -1.5772E-01 2.3038F-01 -1.5772E-01 2.3038F-01 -1.5772E-01 2.3038F-01 -1.5772E-01 2.3038F-01 -1.5773E-02 2.3038F-01 -1.5738E-01 2.3038F-01 -1.5738E-01 2.3038F-01 -1.5738E-01	00000E-01  I=5  3.9807E-02 2.2153E-01 3.6533E-04 3.5647E-00 2.36275E+60 2.36275E+60 1.4396E-01 5.8316E-10 2.2903E-61 5.8316E-10 3.1572E-01 5.8720E-10 5.8720E-10 6.8720E-10 1.1448E+00 1.1496E-01 9.0295E+00 3.9707E-01 6.4571E-02 6.4571E-02 6.4571E-02 6.4571E-02	1=6  3.3798E-02 1.6810E-01 3.1019E-04 3.023E-00 2.1342E+00 2.3132E-00 2.3313E-01 2.3038E-01 2.3038E-01 2.3038E-01 2.5398E-01 2.5398E-01 2.5598E-01 2.5598E-01 2.5598E-01 2.5598E-01 2.5598E-01 2.5598E-01 2.5598E-01 2.7738E-02 2.738E-02 2.738E-01 2.7738E-02 2.738E-01 2.7738E-02 2.738E-01 2.7738E-02 2.738E-01 2.7738E-02 2.738E-01	1=7 2.9437E-02 1.632E-01 2.7016E-04 2.6375E-00 2.3201E-00 2.3201E-00 1.3423E-01 2.3149E-01 2.3149E-01 2.3149E-01 2.3149E-01 2.3538E-02 2.2624E-01 5.4511E-02 2.3649E-01 6.603E-01 7.Ce39E-C1 6.929CE-01 6.604E-02 2.6044E-02 1.7391E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E+00 2.3259E+00 2.3259E+00 2.3259E+00 2.3259E+00 2.327E-00 2.327E-00 2.327E-00 3.2936E-02 2.0127E-01 2.0603E-01 3.5665+00 4.0915E-02 4.0915E-02 4.0915E-04 4.0915E-04 4.0915E-04	I=9  2.6134E-02 1.454E-01 2.3685E-04 2.3616E+00 2.3276E+00 1.8124E+00 2.3276E+00 1.8232E+00 2.3276E-01 1.8265E-11 2.0276E-01 7.5657E-12 2.0276E-01 2.3232E+00 6.5986E-10 8.4695E-01 8.4695E-01 8.4695E-01 4.3185E-02 1.634E-01 5.9707E+00 4.2785E-01 1.8312E-02 1.18312E-02	I=10
P/ROASTSQ P/PTINF P/PINF RHO U V V C VC VC VC VC VC VC VZ PSINDR THETNOR XBHLD YBAR YBHLD ETA G DEQNS AM CROSS M SBAR PORGGAM PT/PTINF PT BERNOUL	1=?  2.6134E-02 1.4544E-01 2.3985E-04 2.3416E+00 1.0124E+00 2.3276E+01 3.4776E-16 2.0276E-01 3.4776E-16 02.0276E-01 02.0276E-01 03.4895E-01 4.3185E-02 1.6434E-01 5.970TE+00 0.5575E+01 1.9312E-01 1.9312E-01	1=2 2.6681E-02 1.4849E-01 2.3496E+00 2.3906E+00 -1.4070E-01 -1.6315E-02 2.3217E+00 2.0814E-01 1.4553E-02 2.0603E-01 -3.2936E-02 -2.0127E-01 2.5493E-02 -2.0127E-01 2.5493E-02 -2.0127E-01 2.4152E-01 -8.0076E-01 4.0915E-02 4.0915E-02 4.0925E-01 4.0936E-01 1.397E-02 4.0936E-01	1-3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.33C1E+01 2.3149E-00 2.3067E-01 3.3538E-02 2.2684E-01 -5.4511E-02 2.2684E-01 -5.4511E-02 2.3149E+00 3.1843E+00 1.039E-01 6.2780E-01 6.604E-02 2.15731E-01 6.5043E+00 6.7911E+00 5.0999E-01 3.2040E-02 1.1524E-02 2.1524E-03 2.202E-01	ZETA = 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E-00 2.3132E-00 2.3132E-02 2.3038E-01 2.46593E-01 2.3038E-01	00000E-01  I=5  3.9807E-02 2.2153E-01 3.6533E-04 3.5647E-00 2.3698E-00 2.3675E+60 2.3675E+60 2.3675E-60 5.8316E-10 2.2903E-61 5.8316E-10 2.2903E-61 5.8726E-01 5.8726E-01 5.8726E-01 5.8726E-01 5.8726E-01 6.4571E-02 6.4571E-03 6.4571	1=6  3.3798E-02 1.6810E-01 3.1019E-04 3.0238E-00 2.1342E+00 2.1342E+00 1.3411E-01 1.1592E-01 2.3038E-02 2.7146E-01 -3.6832E-02 2.7146E-01 -3.6832E-02 2.7538E-01 1.5572E-01 2.5738E-02 2.3038E-00 2.7536E-00 2.7738E-02	1=7  2.9437E-02 1.6332E-01 1.6345E-04 2.6375E-00 1.5540E+00 2.3201E+00 1.3423E-01 1.1185E-01 2.3149E-01 2.3149E-01 2.3149E-01 2.3149E-01 2.3149E-01 2.3449E-01 3.4545E-01 1.9453E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E+00 2.32259E+00 2.32278E+00 2.32278E+00 2.0214E-01 2.0603E-01 3.2956E-02 2.0127E-01 2.0628E-01 2.0628E-01 2.4672E-01	I=9  2.6134E-02 1.454E-01 2.3865E-04 2.3816E+00 2.3276E+00 2.3276E+00 2.3276E-01 1.424IE-01 2.0276E-01 1.8265E-11 2.0276E-01 7.5457E-12 2.0276E-01 7.5457E-12 2.0276E-01 7.5457E-12 2.0276E-01 8.4695E-01	I=10
PARDASTSQ P/PINF P/PINF RHO UC VC WCC VCC WCC VZ YS INDR THETNOR XBALD YBALD ETA CROSS M SBAR POROGAM PT/PIINF PI BERNOUL DPOL DPOL DUD Z	1=?  2.6134E-02 1.4544E-01 2.3945E-04 2.3416E+00 1.6124E+00 2.3276E+00 2.3276E-01 3.4776E-16 2.0276E-01 2.3228E+00 0. 2.3226E+01 0. 2.3232E+00 0. 3.4895E-01 4.3185E-02 1.6434E-01 5.9707E+00 6.5515E+01 6.9746E-01 1.9312E-01 1.9312E-01 1.9312E-01 1.9312E-01 1.9312E-01 1.9312E-01	1=2  2.6681E-02 1.4849E-01 2.3496E+00 2.3259E+00 1.4070E-01 -6.6315E-02 2.3217E+00 1.4553E-02 2.3217E+00 1.4553E-02 2.0603E-01 -3.2936E-02 -2.0127E-01 2.5493E-02 -2.0127E-01 2.5493E-02 -2.0127E-01 2.5493E-02 -2.0127E-01 1.3566E+00 1.3566E+00 4.0215E-02 -8.0076E-01 -8.0076E-01 -8.0076E-01 -8.0076E-01 -8.0076E-01 -8.0275E-00 4.0224E-01 -8.1685E-01 4.0236E-01 -8.0398E-02 1.1297E-02 -9.8528E-06 -3.2942E-03	1-3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-00 2.32C1E+00 1.9540E+00 2.32C1E+00 1.3423E-01 -1.1185E-01 2.3149E-00 2.3067E-01 3.3538E-02 2.2684E-01 -5.4511E-02 2.2684E-01 -5.4511E-02 2.3149E+00 3.1843E+00 3.1843E+00 3.1843E+00 6.2780E-01 -6.6013E-01 6.5043E+01 6.7911E+00 5.0999E-01 3.2040E-02 1.1524E-02 9.2302E-01 1.0057E+02 9.2302E-01 1.0057E+02 9.2302E-01	ZETA = 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.028E+00 2.1342E+00 2.1342E+00 2.3132E+00 2.3132E+00 2.3038E-01 2.3038E-01 2.3038E-01 2.3038E-01 2.3038E-01 2.16593E-01 2.3038E-01 3.6832E-C2 2.558E-01 -1.5572E-C1 2.3038E-01 3.9595E-01 2.3773E-02 2.7738E-02 2.7	00000E-01  I=5  3.9807E-02 2.2153E-01 3.5653E-04 3.5647E-00 2.3675E+60 2.3675E+60 1.439E-01 1.439E-01 1.58316E-10 2.2903E-01 3.1572E-01 5.8720E-10 3.1572E-01 5.8720E-10 2.2903E-01 1.1448E+00 1.1448E+00 1.1448E+00 2.5527E-11 2.4643E-02 1.1942E-01 9.0295E+00 3.9707E-01 6.4571E-02 1.1905E-02 1.1905E-02 1.1905E-01 9.2717E-01 1.8851E-10 -7.2733E-03	1=6  3.3798E-02 1.6810E-01 3.1019E-04 3.023E-00 2.1342E-00 2.3132E-00 1.3411E-01 1.1592E-01 2.3038E-00 2.7146E-01 -3.6832E-02 2.758E-01 2.558E-01 1.5572E-01 3.5572E-01 3.5572E-01 3.7955E-01 2.7738E-02 2.738E-02 2.738E-02 2.738E-01 2.7738E-02 2.738E-02 2.738E-02 2.738E-02 2.738E-01 2.7738E-02 2.738E-01 2.7738E-02 2.738E-02 2.738E-01 2.7738E-02 2.738E-01 2.7738E-02 2.7386E-01 2.74364E-00 5.0464E-01 1.1953E-04 4.5638E-01	1=7  2.9437E-02 1.632E-01 1.6317E-04 2.6317E-06 2.3201E-06 2.3201E-06 1.3423E-01 1.1485E-01 2.3149E-01 2.3149E-01 2.3149E-01 2.3358E-02 2.2624E-01 5.4511E-02 2.2624E-01 6.6013E-01 7.0299E-01 6.6013E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01 6.7919E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E+00 2.32259E+00 2.32279E+00 2.32279E+00 2.3217E-00 2.0814E-01 2.0613E-02 2.0214E-01 2.0663E-01 3.2926E-02 2.0127E-01 2.0563E-01 2.0565E-01 2.4928E-02 2.0127E-01 2.0918E-02 2.0127E-01 2.0918E-02 2.0127E-01 2.0127E-01 2.0918E-02 2.0127E-01	I=9  2.6134E-02 1.454E-01 2.3865E-04 2.3816E+00 2.3276E+00 2.3276E+00 2.3276E+00 2.3276E-01 1.8265E-11 2.0276E-01 7.5557E-12 2.0276E-01 2.0322E+00 -6.598E-10 8.4695E-01 8.4695E-01 4.3185E-02 1.6434E-01 5.9707E+00 4.2785E-01 1.8312E-02 1.1307E-02 1.1307E-02	1=10
P PROASTSQ PPTINF PPINF RHO UV V W UC VCC VCC VCC VCC VCC VCC VCC VCC VCC	1=?  2.6134E-02 1.4544E-01 2.39285E-04 2.3416E+00 2.3276E+00 2.3276E+00 2.3232E+00 2.0276E-01 2.3232E+00 0. 0. 0. 0. 8.5012E+01 0. 0. 0. 8.5012E+01 0. 0. 0. 1.434185E-02 1.0434E-01 1.977E+00 6.5518E+00 6.5518E+00 1.977E+00 6.5518E+00 1.9848E-01 1.987E-01 1.9812E-02 9.5525E-01 1.0408E+02	1=2  2.6681E-02  1.4849E-01  2.3448TE-04  2.3906E+00  2.32279E+00  2.0317E+00  2.0317E+00  2.0317E+00  2.0317E+00  2.0414E-01  3.2936E-02  5.4983E-02  5.4983E-02  5.4983E-02  5.4983E-02  6.5047E+01  6.3217E+00  6.5047E+01  6.1594E-02  6.405E-01  6.1594E-02  1.605E-01  6.1594E-02  1.0379E-02  1.0379E-02  1.0379E-02  1.0379E-02  1.0379E-02  1.0379E-02  1.0379E-02  1.0379E-02  1.0379E-02  5.4890E-01  1.0339E+02  9.8528E-06  9.8528E-06  9.8528E-06  9.8528E-06  9.8528E-06  9.8528E-06  9.8528E-06  9.8528E-06  9.8528E-06	1-3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E-00 2.32C1E+00 1.9540E+00 2.32C1E+00 1.3423E-01 -1.1185E-01 2.3149E-00 2.3067E-01 3.3538E-02 2.2684E-01 -5.4511E-02 2.2684E-01 -5.4511E-02 2.3149E+00 3.1843E+00 3.1843E+00 3.1843E+00 6.2780E-01 -6.6013E-01 6.5043E+01 6.7911E+00 5.0999E-01 3.2040E-02 1.1524E-02 9.2302E-01 1.0057E+02 9.2302E-01 1.0057E+02 9.2302E-01	ZETA = 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E-00 2.1342E+00 2.1342E+00 2.3132E+00 2.3132E+00 2.7146E-01 3.6825E-01 2.5038E-01 2.1617E-02 2.5038E-01 6.1617E-02 2.3038E-01 6.1617E-02 2.3038E-01 6.1617E-02 2.3038E-01 6.3037E-01 7.4346E-01 7.4346E-01 7.4346E-01 7.4364E-01	00000E-01  I=5  3.9807E-02 2.2153E-01 3.6533E-04 3.5647E-00 2.3658E-00 2.3675E+60 2.3675E+60 2.3675E-60 3.1572E-01 5.8316E-10 2.2903E-10 2.2903E-11	1=6  3.3798E-02 1.8810E-01 3.1019E-04 3.0238E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 2.3038E+00 2.7146E-01 2.3038E+00 2.7146E-01 2.3038E+00 6.6151E+01 2.3038E+00 6.6151E+01 2.3038E-00 6.603E-01 2.3038E-00 6.604E-00	1=7  2.9437E-02 1.632E-01 1.632E-01 2.7016E-04 2.6375E+00 2.3201E+00 2.3201E+00 2.3047E-01 1.1185E-01 2.3149E+00 2.3087E-01 2.1498E-00 2.2684E-01 2.3149E+00 6.5204E+01 2.3149E+00 6.5204E-01 2.3149E+00 6.5204E-01 2.3149E-00 6.7391E-01 6.2739E-01 7.639E-02 6.3739E-01 7.639E-03	1=8  2.6661F-02 1.4849E-01 1.8359E+00 2.32259E+00 2.32259E+00 2.3227E+00 2.0214E-01 1.4553E-02 2.0663E-01 2.2926E-02 5.4923E-02 5.4923E-02 2.0127E-01 2.3227E+00 2.0127E-01 2.3227E+00 2.0127E-01 2.3227E-00 2.0127E-01 2.3227E-00 2.0127E-01 2.0127E-01 2.015E-02 2.0127E-01 2.015E-02 2.0127E-01 2.015E-02 2.0127E-01 2.015E-02 2.0127E-01 2.015E-02 2.0127E-02 2.0127E-03 2.0127E-0	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.3416E+00 2.3276E+C0 -1.4241E-01 0. 2.3276E+C0 -1.4241E-01 1.6265E-11 2.0276E-C1 2.3232E+00 2.3232E+00 2.0276E-C1 2.3232E+00 2.0276E-C1 2.6232E+00 2.0276E-C1 2.6232E+00 2.5986E-10 8.5012E+01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 1.0408E-02 1.0525E-01 1.0525E-01 1.0525E-01	I=10
P PROASTSQ PPTINF PPTINF PPTINF PPTINF WC VC VC WC WC VC VX VY VZ PSINDR THETNOR XBAR YBALD PBAR YBALD PTINF PPTINF PPTINF PPTINF PT BERNOUL DPDZ DVDZ DVDZ DVDZ DVDZ DVDZ DVDZ DVDZ	1=?  2.6134E-02 1.4544E-01 2.39455E-04 2.3416E+00 2.32766E+00 2.32766E+01 2.3222E+00 2.0276E-01 2.3232E+00 0. 0. 0. 0. 0. 8.5012E+01 0. 0. 0. 8.5012E+01 0. 0. 0. 1.43485E-01 1.5977E+00 6.5515E+00 0. 1.3167E-02 9.5525E-01 1.0406E+02 1.0416E-01 1.0406E-02 1.0416E-01 1.0406E-02 1.0416E-01 1.0406E-02 1.0416E-01	1=2  2.6681E-02  1.4849E-01  2.4487E-04  2.3906E+00  2.32259E+00  2.3217E+00  2.0613E-02  2.0614E-01  1.4554B-02  2.0603E-01  2.3217E+00  2.3217E+00  2.3217E+00  2.3217E+00  2.3217E+00  2.3217E-01  2.3217E-01  2.3217E-01  2.3217E-01  2.3217E-01  2.4152E-01  2.4152E-01  2.6260E-01  2.6260E-01  2.6260E-01  2.6260E-01  2.6260E-01  2.6260E-01  2.6260E-01  2.6260E-01  2.6260E-01  2.6269E-01  2.6260E-01	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3067E-01 -1.1185E-01 -1.3423E-01 -1.3423E-01 -2.3149E+00 2.3048E-01 2.3149E+00 3.1683E+00 3.1683E+00 6.7706E-01 -6.9236E-01 6.2780E-01 6.2780E-01 6.2780E-01 6.2780E-01 6.3780E-01 6.5043E+00 6.7999E-01 3.6046E-02 -1.7391E-01 1.0057E+02 9.2302E-01 1.0057E+02 -3.9420E-05 -3.2467E-03 -7.8154E-03	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0228E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 2.3038E+00 2.7146E-01 2.3038E+00 6.1617E-02 2.2538E-01 2.3038E+00 6.16151E+01 2.3038E+00 6.16151E+01 2.3038E+00 6.0454E-01 4.344E-01 4.244E-02 4.6683F-02 6.6047E+00 6.0047E+00 6.0047E+00 6.0047E+00 6.0047E+00 6.0047E+00 6.0047E-00 6.00	00000E-01  I=5  3.9807E-02 2.2153E-01 3.6533E-03 3.6535E-03 3.6535E-03 2.3684E+00 2.3675E+c0 1.4359E-01 5.8316E-10 2.2903E-10 3.1572E-01 5.8726F-10 3.1572E-01 5.8726F-10 2.2903E+c0 4.203E-10 2.2903E-10 2.2527E-11 -2.5530E-11 -2.5530E-11 -2.5530E-11 -2.5530E-11 -2.5530E-11 -2.5530E-11 -2.5530E-12 -1.9942E-01 6.4571E-02 -1.9942E-01 6.4571E-02 -1.9942E-01 6.4571E-03 -1.907E-03	1=6  3.3798E-02 1.8810E-01 3.1019E-04 3.0238E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 1.5572E-01 2.3038E-00 2.7258E-01 2.3038E-00 6.6151E+01 2.3038E-00 6.6151E+01 7.3738E-01 4.5434E-01	1=7  2.9437E-02 1.632E-01 1.632E-01 2.7016E-04 2.6375E+00 2.3201E+00 2.3201E+00 2.3047E-01 1.1185E-01 2.3149E+00 2.3087E-01 2.1498E-00 2.3264E-01 2.3149E+00 6.5204E+01 6.5043E-01 6.5043E-01 6.5043E-01 6.5043E-01 6.5043E-01 6.5043E-01 6.5043E-01 6.5043E-01 6.7191E-00 6.7191E-	1=8  2.6661F-02 1.4849E-01 1.4876F-04 2.3467E-04 2.3406E+00 2.32276E+00 2.32276E+00 2.0217E+00 2.0217E+00 2.0217E-01 2.32277E+00 2.02277E-01 2.32277E-01 2.32277E-02 2.32277E-01 2.32277E-02 2.32277E-03 2.3237F-02 2.3230E-03 2.3230E-03 2.3230E-03 2.3230E-03	I=9  2.6134E-02 1.454E-01 2.3985E-C4 2.3416E+00 2.3276E+C0 -1.4241E-01 0. 2.3276E+C0 -1.4241E-01 1.6265E-11 2.0276E-C1 2.3232E+00 2.3232E+00 2.0276E-C1 2.3232E+00 2.0276E-C1 2.6232E+00 2.0276E-C1 2.6232E+00 2.5986E-10 8.5012E+01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 8.4095E-01 1.6334E-02 -1.6634E-01 1.0526E-02 1.0525E-01 1.0526E-02 1.0526E-03 1.0522E-02 9.5525E-01 1.0522E-02 9.5252E-01	I=10
P P P P P P P P P P P P P P P P P P P	1=?  2.6134E-02 1.4544E-01 2.39458E-04 2.3416E+00 2.32766E+00 2.32766E+01 2.3232E+00 2.0276E-01 2.3232E+00 0. 0. 0. 0. 8.5012E+01 0. 0. 0. 8.5012E+01 0. 0. 1.43415E-02 1.6436E-01 1.977E+00 6.5715E+02 1.0406E+02 1.1367E-02 9.5525E-01 1.0406E+02 1.0416E-01 1.0406E+02 1.0416E-01 1.7476E-15 1.7476E-1	1=2  2.6681E-02 1.4849E-01 2.4487E-04 2.3906E+00 2.32259E+00 2.3217E+00 2.0315E-02 2.0614E-01 1.45548-02 2.0614E-01 2.3217E+00 2.0217E-01 2.3217E+00 2.0217E-01 2.3217E+00 2.0127E-01 2.3217E+00 2.0127E-01 2.317E-01 2.317E-00 2.0127E-01 2.317E-00 2.0127E-01 2.317E-00 2.0127E-01 2.0127E-01 2.0127E-01 2.0127E-01 2.0127E-01 2.0127E-01 2.0127E-01 2.0127E-02 2.0127E-01 2.0127E-02 2.0127E-0	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3067E-01 -1.1165E-01 -1.3423E-01 -1.3423E-01 -2.3149E+00 2.3064E-02 1.2949E-01 2.3149E+00 3.1683E+00 6.7206E-01 -1.7453E-01 6.2780E-01 6.2780E-01 6.2780E-01 6.2780E-01 6.3049E-02 -1.7391E-01 6.5043E+00 6.7911E+00	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0228E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 1.552E-C1 2.3038E+00 2.7146E-01 2.3038E+00 2.753E-01 2.3038E+00 6.6151E+01 2.3038E+00 6.6151E+01 2.3038E+00 6.603E-02 2.2538E-01 2.3338E-01 2.3338E-01 2.4534E-01 4.5434E-01 4.5434E-01 4.6683F-02 1.654E-C2 8.8985E-01 1.1953E-04 4.5367E-03 6.1646E-03 6.1646E-03 6.1646E-03 6.1046E-03 6.1046E-03 6.1046E-01 1.1953E-04 1.1953E-04 1.1953E-04 1.1953E-04 1.1953E-04 1.1953E-04 1.1953E-04	00000E-01  I=5  3. 9807E-02 2.2153E-01 3.6533E-03 3.6533E-03 3.6535E-03 2.3684E+00 2.3675E+c0 1.4396F-01 5.8316E-10 3.1572E-01 5.8726F-01 5.8726F-01 5.8726F-01 5.8726F-01 5.8726F-01 6.4578E-01 6.4578E-02 6.4588E+00 6.3888E+00 6.3888E+00 6.3888E+00 6.3888E+01 6.4571E-02 6.4571E-02 6.4571E-03 6.777E-01	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0238E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 1.5572E-01 2.3038E+00 2.7258E-01 2.3038E+00 6.6151E+01 2.3038E-00 6.6151E+01 2.3038E-00 6.6046E-01 4.5367E-02 6.604E-00 6.604F-00 6.6047E-00 6.6047E-0	1=7  2.9437E-02 1.632E-01 1.632E-01 1.5540E+00 2.3201E+00 2.3201E+00 2.3201E+00 2.3149E+00 2.3149E-01	1=8  2.6661F-02 1.4849E-01 1.4876F-04 2.3467E-04 2.3406E+00 2.32276E+00 2.03276E+00 2.03277E+00 2.03277E+00 2.03277E+00 2.03277E+00 2.03277E+00 2.03277E+00 2.03277E+00 2.03277E+00 2.03277E+00 2.03277E+01 2.32277E+00 2.03277E+01 2.32277E+00 2.03277E+01 2.32277E+00 2.03277E+01 2.32277E+00 2.03277E+01 2.32277E+01 2.32277E+01 2.32277E+01 2.32277E+01 2.32277E+01 2.3277E+01 2.3277E+01 2.3277E+01 2.3277E+01 2.3277E+01 2.3277E+02 2.3277E+01 2.3277E+02 2.3277E+03 2.3	I=9  2.6134E-02 1.454E-01 1.454E-01 1.8124E+00 2.3276E+C0 -1.4241E-01 0. 2.3276E+C0 -1.4241E-01 1.6265E-11 2.0276E-01 2.3232E+00 2.3232E+00 2.0276E-01 2.3232E+00 2.0276E-01 2.3232E+00 2.0276E-01 2.3232E+00 2.5076E-01 2.3232E+00 2.5076E-01 2.4765E-01 2.676E-01 2.676E	I=10
P/ROASTSQ P/PTINF P/PINF RHO UC VC WCC VCC WCC VCY VY YS PSINOR THETNOR XBHLD FTA G G DEQNS AM CROSS M SBAR POROGAM PT/PTINF PT BERNOUL DPD1 DV01 DV02 DV02 DV02 DV02 DSB02 PP	1=?  2.6134E-02 1.4544E-01 2.3945E-04 2.3416E+00 2.3276E+00 2.3276E+01 0. 2.3222E+00 2.3232E+00 0. 0. 2.3232E+00 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	1=2  2.6681E-02 1.4849E-01 2.3496E+00 1.8359E+00 2.3259E+00 2.3259E+00 2.3259E+00 2.3217E+00 2.3217E+00 2.3217E+00 2.3217E+00 2.3217E+00 2.3217E+00 2.3217E+00 2.3256E+02 2.0127E-01 2.452E-01 2.252E-02 2.330E-01 2.355E-03 3.4198E-03 3.4198E-03	1=3  2.9437E-02 1.6382E-01 2.7016E-04 2.6375E+00 2.32C1E+00 2.32C1E+00 2.32C1E+00 2.3067E-01 -1.1165E-01 -1.3423E-01 -1.1165E-01 -1.3423E-01 -1.3453E-02 2.2648E-01 2.3149E+00 3.1683E+00 3.1683E+00 6.7206E-01 -1.7453E-01 6.2780E-01 6.2780E-01 6.2780E-01 6.3163E-01 6.5043E+00 6.7911E+00 6.7911E-00 6.7911E-00 6.7911E-00 6.7911E-00 6.7911E-00 6.7911E-00 6.7911E-00	ZETA= 6.000  1=4  3.3758E-C2 1.8810E-01 3.1019E-04 3.0283E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.1342E+00 2.7146E-01 1.552E-C1 2.3038E+00 2.7146E-01 2.3038E+00 2.753E-01 2.3038E+00 6.6151E+01 2.3038E+00 6.6151E+01 2.3038E+00 6.603E-02 2.2538E-01 2.3387E-01 2.3387E-01 4.5434E-01 4.2436E-02 1.1654E-02 8.8985E-01 1.1654E-02 8.8985E-01 1.1654E-02 8.8985E-01 1.1654E-02 8.8985E-01 1.1654E-02 8.8985E-01 1.1552E-01	00000E-01  I=5  3. 9807E-02 2.2153E-01 3. 6533E-03 3. 6535E-03 3. 6535E-03 2. 3684E+00 2. 3675E+c0 1. 4389E-03 1. 4536E-03 3. 1572E-01 3.	1=6 3.3798E-02 1.8810E-01 3.1019E-04 3.0238E+00 2.1342E+00 2.1342E+00 2.1342E+01 1.1592E-01 2.3038E-00 2.7146E-01 2.3038E-01 2.3038E-00 6.6151E-01 2.3038F-00 6.6151E-01 2.3038F-00 6.6046E-01 4.5436E-01 4.5436E-01 4.5436E-01 4.646E-03 6.6047E-00 6.6047E-01 6.11958E-01	1=7  2.9437E-02 1.6332E-01 1.6319E-04 2.6319E-00 2.3201E-00 2.3201E-00 2.3201E-00 2.3149E-00 2.3149E-00 2.3149E-00 3.1843E-01 2.3149E-00 3.1843E-01 2.3149E-00 6.7219E-01 2.3149E-00 6.7219E-01 2.3149E-00 6.7219E-01 2.3149E-00 6.7319E-01 6.2046E-02 -1.7391E-01 2.3046E-02 -1.7391E-01 2.3046E-02 -1.7391E-01 2.3046E-02 -1.7391E-01 2.3046E-02 -1.7391E-01 2.3046E-02 -1.7391E-01 2.3046E-02 -1.7391E-01 2.2046E-02 -1.7391E-01 2.2046E-02 -1.7391E-01 2.2046E-02 -1.2176E-01 -1.8833E-04 -1.2176E-01 -1.2176E-01	1=8  2.6681F-02 1.4849E-01 2.4467E-04 2.3906E+00 2.32259E+00 2.32275E+00 2.0214E-01 2.0214E-01 2.0214E-01 2.0214E-01 2.0217E-01	I=9  2.6134E-02 1.454E-01 1.454E-01 1.8124E+00 2.3276E+C0 -1.434E-01 0. 2.3276E+C0 -1.434E-01 1.20276E-01 2.3232E+00 2.0276E-01 2.0376E-01 3.4696E-01 1.0151E-09 9.5525E-01 1.0151E-02 9.5525E-01 1.0072E-26 -1.072E-26 -1.136TE-02 9.5525E-01 1.0072E-26 -1.1072E-26 -1.1072E-26 -1.1072E-26 -1.1072E-26 -1.1072E-21 -1.107E-13 -1.101E-14	I=10

				ZETA=5.CCC	COCCCE-01 -					
	I=1	1=2	- 1=3	I=4	1=5	1=6	1=7	1=8	1=9	1=10
p	2.6438E-02		2.97285-02	3.4211E-C2	4.64985-02	3.4211E-02	2.97286-02	2.6979E-02	2-6438E-02	
P/ROASTSQ P/PTINE	1.4713E-01 2.4264E-04	1.5014E-01 2.4760E-04	1.6545E-01 2.7284E-04	1.9039E-01 3.1398E-04	2.2538E-01 3.7167E-04	1.9039E-01 3.1398E-04	1.6545E-01 2.7284E-04	1-5014E-01 2-4760E-04	1-4713E-01 2-4264E-04	
P/PINF RHO	2.3689E+C0 1.8274E+C0	2.4173E+00 1.8500E+00	2.6637E+00 1.9663E+00	3.0653E+C0 2.1511E+00	3.6286E+C0 2.3976E+00	3.0653E+00 2.1511E+00	2.6637E+00 1.9663E+00	2.4173E+00 1.8500E+00	2.3688E+00 1.8274E+00	
U	2.3285E+OC	2.3267E+00	2.3208E+00	2.3138E+00	2.3C81E+C0	2.3138E+00	2.3208E+00	2.3267E+00	2.3285E+00	
V W	0.	-1.1746E-01 -6.6563E-02	-1.1191E+01	-1.1471E-01	6.C114E-10	1.14716-01	1.1191E-01	-1.1746E-01 6.6563E-02	-1.1959E-01 0.	
VC VC	2.3222E+C0 2.0575E-Cl	2.3206E+00 2.1543E-01	2.3137E+00 2.3850E-C1	2.3019E+C0 2.8163E-01	2.2879E+00 3.2762E-01	2.3019E+00 2.8163E-01	2.3137E+00 2.3850E-01	2.32C6E+00 2.1543E-01	2.3222E+00 2.0975E-01	
WC	3.5974E-16 2.0975E-01	1.4285E-02	3.3466E-02 2.3309E-01	3.8022E-C2	6.1420E-10	-3.8022E-02	-3.3466E-02 2.3309E-01	-1.4285E-02	1.8263E-11	
NCC NCC	0.	2.1269E-01 -3.7065E-02	-6.0585E-02	2.7628E-C1 -6.6567E-02	3.2762E-01 6.0465E-10	2.7628E-01 6.6567E-02	6.0585E-02	2.1269E-01 3.7065E-02	2.0975E-01 6.6104E-12	
VX VX	0. -2.0975E-01	5.6156E-02 -2.0847E-01	1.3198E-01 -2.0146E-01	2.3370E-C1 -1.6170E-C1	2.2762E-01 5.9754E-10	2.3370E-01 1.6170E-01	1.3198E-01 2.0146E-01	5.6156E-02 2.0847E-01	-2.7046E-11 2.0975E-01	
VZ PS INOR	2.3222E+C0 0.	2.3206E+00 1.3862E+00	2.3137E+00 3.2647E+00	2.3019E+00 5.7971E+00	2.2879E+00 8.1491F+00	2.3019E+00 5.7971E+00	2.3137E+00 3.2647E+00	2.3206E+00 1.386ZE+00	2.3222E+C0 -6.6732E-10	
THETNOR	8.4839E+01	8.4868E+01	8.5032E+01 6.9323E-01	8.60C2E+01	9. COOOE + 01	8.6002E+01	8.5032E+01 6.9323E-01	. 8.486 BE+01	8.4839E+01	
XBAR XBHLD	0. 0.	2.0576E-01	5.8865E-01	9.7767E-01 8.9363E-01	1.1205E+00 1.1205E+00	9.7767E-01 8.9363E-01	5.8865E-01		-7.8651E-11 -7.8651E-11	
YBAR YBHL D	-9.0726E-C1 -8.C726E-C1		-6.2860E-01 -6.6982E-01	-3.7790E-01 -4.5197E-01	-2.4319E-11 -2.4322E-11	3.7790E-01 4.5197E-01	6.2860E-01 6.6982E-01	7.62C1E-01 7.81C1E-01	8-0726E-01 8-0726E-01	
ETA	3.5988E-02	3.4096E-02 -1.3610E-01	3.0053E-02 -1.4226E-01	2.31156-02	2.0536E-02 -1.6153E-01	2.3115E-02 -1.4899E-01	3.0053E-02 -1.4226E-01	3.4096E-02 -1.3610E-01	3.5988E-02 -1.3415E-01	
G DE ONS	6.1:47E+00	6.1865E+00	6.5477E+00	7.3214E+00	8.6416E+00	7.3214E+00	6.5477E+00	6.1865E+00	6-1147E+00	
AM CROSSM	5.9449E+C0 3.5619E-01	6.9144E+00 4.0054E-01	6.7778E+00 4.6245E-01	6.5888E+00 4.5756E-01	6.3712E+00 3.3650E-01	6.5888E+00 4.5756E-01	6.7778E+00 4.6245E-01	6.9144E+00 4.0054E-01	6.9448E+00 3.5619E-01	
SBAR POROGAM	1.8312E-02 1.1367E-02	2.1376E-02 1.1402E-02	3.3078E-02 1.1536E-02	4.7794E-02 1.17C7E-02	6.4571E-02 1.1905E-02	4.7794E-02 1.1707E-02	3.3078E-02 1.1536E-02	2.1376E-C2 1.1402E-02	1.8312E-02 1.1367E-02	
PT/PTINE	9.5525E-01	9.4796E-01	9.2063E-01	8.8738E-01	8.5093E-01	8.87386-01	9.2063E-01	5.4796E-01	9.5525E-01	
PT BERNOUL	1.0408E+02 1.0318E-09	-1.4984E-05	1.0031E+02 -4.9420E-05	9.6689E+01 1.6014E-C4	9.2717E+01 2.1499E-10	9.6689E+01 1.6014E-04	1.0031E+02 -4.9420E-05	1.0329E+02 -1.4984E-05	1.0408E+02 1.0318E-09	
DPD Z DUD Z	-2.7414E-C3	-2.6691E-03 -7.8554E-03	-2.5919E-03 -6.4037E-G3	-3.7118E-03 -5.0640E-03	-6.5298E-03	-3.7118E-03	-2.5919E-03	-2.6691E-03	-2.7414E-03	
DVDZ	-2.3741E-G1	-2.3181E-01	-2.1727E-01	-2.1175E-C1	-2.1896E-01	-2.1175E-01	-2.1727E-01	-2.3181E-01	-2.3741E-01	
DWD Z DSBOZ	-1.6780E-15 -2.1043E-31	-4.5803E-03	8.1240E-04 -1.1689E-02	-1.2021E-C2	-5.4549E-19	-1.2021E-02	-8.1239E-04 -1.1689E-02	-4.5803E-03	1.1788E-26	
PP UP	-1.2238E-15	2.8591E-02 -7.3282E-02	6.5592E-02 -1.2482E-01	1.1819E-C1 -1.3335E-C1	-9.4910E-10 1.3823E-09	-1.1819E-01 1.3335E-01	-6.5592E-02	-2.8591E-02	-4.5317E-15 -5.2729E-13	
VP WP	:.OC41E-16	7.7653E-02 -1.0692E+00	5.6329E-02		-1.7703E-08 2.4133E+00	1.2058E-01	-5.6329E-02 -5.7680E-01	-7.7653E-02	2.6778E-14	
SBARP		1.3734E-01		3.3774E-C1	-3.5689E-09	-3.3774E-01	-2.4723E-01	-1.3734E-01	-1.4042E-15	
			•	ZETA= 4.000	0000C0E-01					. ,
	[=1	f=2								
		1=2	I=3	I=4	I=5	I = 6	· I * 7	1=8	1=9	I=10 ·
P	• •					. •	- '			I=10
P/RJASTSQ	2.6684E-C2 1.4850E-01	2.7216E-02 1.5146E-01	2.9955E-02 1.6670E-01	3.4539E-02 1.9222E-01	4.1110E-02 2.2879E-01	3.4539E-02 1.9222E-01	2.9955E-02 1.6670F-01	2.7216E-02 1.5146E-01	2.6684E-02 1.4850E-01	I=10 ·
P/RJASTSQ P/PT INF P/PINF	2.66846-C2 1.48506-01 2.44906-C4 2.39096+C0	2.7216E-02 1.5146E-01 2.4578E-04 2.4386E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00	3.4539E-02 1.9222E-01 3.1699E-04 2.0947E+00	4.1110E-02 2.2879E-01 3.7730E-04 3.6835E+00	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00	2.7216E-02 1.5146E-01 2.4578E-04 2.4386E+00	2.6684E-02 1.4850E-01 2.4490E-04 2.3909E+00	I=10
P/RJASTSQ P/PTINF P/PINF RHO	2.6684E-C2 1.4850E-01 2.4490E-C4	2-7216E-02 1-5146E-01 2-4578E-04 2-4386E+00 1-8609E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00	3.4539E-02 1.9222E-01 3.1699E-04 2.0947E+00	4.1110E-02 2.2879E-01 3.7730E-04 3.6835E+00 2.4235E+00	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00 2.1638E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00	2.7216E-02 1.5146E-01 2.4578E-04 2.4386E+00	2.6684E-02 1.4850E-01 2.4490E-04	I=10
P/RJASTSQ P/PT INF P/PINF RHD U V	2.6684E-C2 1.4850E-01 2.4470E-C4 2.8509E+C0 1.83595E+00 2.3253E+00 -7.5889E-C2	2.7216E-02 1.5146E-01 2.4978E-04 2.4386E+00 1.8609E+00 2.3275E+00 -9.4297E-02	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.3142E+00 -9.1709E-02	4.1110E-02 2.2879E-01 3.7730E-04 3.6835E+00 2.4235E+00 2.3085E+00 -9.9836E-02	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.3142E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02	2.7216E-02 1.5146E-01 2.4978E-04 2.4386E+00 1.8609E+00 2.3275E+00 -9.4257E-02	2.6684E-02 1.4850E-01 2.4490E-04 2.3909E+00 1.8396E+00 2.3293E+00 -9.5889E-02	I=10
P/RJASTSQ P/PTINE P/PINE RHO U V W	2.6684E-C2 1.4850E-01 2.4470E-C4 2.3509E+C0 1.8396E+00 2.3273E+00 -7.5889E-C2 Q.	2.7216E-02 1.5146E-01 2.4978E-04 2.4386E+00 1.8609E+00 2.3275E+00 -9.4297E-02 -6.6828E-02 2.3196E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 -1.1199E-01 2.3125E+00	3.4539E-02 1.922ZE-01 3.1699E-C4 2.0947E+CC 2.1638E+00 2.3142E+C0 -9.1709E-02 -1.1355E-C1 2.3000E+00	4.1110E-02 2.2879E-01 3.7730E-04 3.6835E+00 2.4235E+00 2.3085E+00 -9.9836E-02 6.1420E-10 2.2655E+00	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.3142E+00 9.1709E-02 1.1355E-01 2.3000E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 1.1199E-01 2.3125E+00	2.7216E-02 1.5146E-01 2.4978E-04 2.4986E+00 1.8609E+00 2.3275E+00 -9.427E-02 6.6828E-02 2.3196E+00	2.6684E-02 1.4850E-01 2.4490E-04 2.3909E+00 1.8396E+00 2.3293E+00 -9.5889E-02 0.	I=10
P/RJASTSQ P/PTINE P/PINE RHO U V W UC VC	2.6684E-C2 1.4850E-01 2.4470E-C4 2.3509E+C0 1.8376E+00 2.3273E+00 -7.5889E-C2 Q. 2.3212E+00 2.1662E-01	2.7216E-02 1.5146E-01 2.4578E-04 2.4578E-04 2.4386E+00 1.8609E+00 -9.4297E-02 -6.6828E-02 2.3196E+00 2.2265E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9791E+00 -9.0740E-02 -1.1199E-01 2.3125E+00 2.4627E-01	3.4539E-02 1.9222E-01 3.1699E-C4 3.0947E+CC 2.163BE+00 2.3142E+C0 -9.1709E-02 -1.1355E-C1 2.3000E+00 2.9213E-C1	4.1110E-02 2.2879E-01 3.7730E-04 3.6835E+00 2.3263E+00 2.3263E+00 -9.9836E-02 6.1420E-10 2.2655E+00 3.4014E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 9.1709E-02 1.1355E-01 2.3000E+00 2.9213E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 -9.0740E-02 1.1199E-01 2.3125E+02 2.4627E-01	2.7216E-02 1.5146E-01 2.4578E-04 2.4386E+00 1.8609E+00 2.3275E-02 6.6828E-02 2.3196E+00 2.2265E-01	2.6684E+02 1.4850E-01 2.4490E-04 2.3909E+00 1.8396E+00 2.3293E+00 -9.5889E-02 0. 2.3212E+00 2.1662E-01	I=10 ·
P/RJASTSQ P/PT INF P/PINF RHO U V W UC VC WC VC	2.6684E-C2 1.4850E-01 2.4470E-C4 2.3509E+C0 1.8296E+00 2.3273E+00 7.5889E-C2 9. 2.3212E+00 2.1662E-01 3.7152E-16	2-7216E-02 1-5146E-01 2-4578E-04 2-4386E-00 1-8609E+00 2-3275E+00 -9-4297E-02 2-3196E+00 2-2265E-01 1-4011E-02 2-1919E-01	2.955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 -1.1199E-01 2.3125E+00 2.4627E-01 3.3364E-02 2.3928E-01	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00 2.3142E+00 -9.1709E-02 1.1355E-01 2.3000E+00 2.9213E-01 3.9162E-02 2.9582E-01	4.1110E-02 2.2879E-01 3.7730E-04 3.6835E+00 2.4235E+00 2.3265E+00 6.1420E-10 2.2855E+00 3.4014E-01 6.2726E-10 3.4014E-01	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00 2.3142E+00 -9.1709E-02 1.1355E-01 2.3000E+00 2.9213E-01 -3.9162E-02 2.8582E-01	2.9955E-02 1.6670F-01 2.7491E-04 2.6839F+00 1.9751E+00 2.3214F+00 -9.0740E-02 1.1199F-01 2.3125E+00 2.4627F-01 -3.3346E-02 2.3928E-01	2.7216E-02 1.5146E-01 2.4578E-04 2.4386E+00 1.8609E+00 2.3275E+00 -9.4257E-02 6.6828E-02 2.3198E+00 2.2265E-01 -1.4011E-02 2.1919E-01	2.6684E-02 1.4850E-01 2.4490E-04 2.3909E+00 1.8396E+00 2.3293E+00 0-5.5889E-02 0. 2.3212E+00 2.1662E-01 1.8261E-11 2.1662E-01	I=10
P/RJASTSQ P/PTINF P/PINF RHO U V W UC VC VC VC VCC WCC VCC	2.6634E-C2 1.4850E-O1 2.4470E-C4 2.3509E+C0 1.8396E+00 2.3273E-00 7.5889E-C2 9. 3.3212E+00 2.1662E-O1 3.7152E-16 0.	2-7216E-02 1.5146E-01 2.4578E-04 2.43786E-00 1.8609E-00 2.3275E-00 -9.4297E-02 -6.6828E-02 2.3196E-00 2.2265E-01 1.4011E-02 2.1919E-01 -4.1553E-02 5.7302E-02	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9791E+00 2.3214E+00 2.3125E+00 2.3125E+00 2.4627E-01 3.3364E-01 2.3125E+01 2.3125E+01 2.3125E-01	3.4539E-02 1.9222E-01 3.1699E-02 2.0947E-02 2.3142E-02 -9.1709E-02 -1.1355E-01 2.3900E+00 2.9213E-01 3.9162E-01 -7.1979E-02 2.4223E-01	4.1110E-02 2.2879E-01 3.7730E-04 3.6835E+00 2.4235E+00 9.3265E+00 9.9836E-02 6.1420E-10 2.2655E+00 3.4014E-01 6.2725E-10 3.4014E-01 6.1713E-10 3.4014E-01	3.4539E-02 1.9222E-01 3.1699E-04 3.0947E+00 2.1639E+00 2.3142E+00 -9.1709E-02 1.1355E-01 2.3900E+00 2.9213E-01 7.1979E-02 2.4223E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 9.0740E-02 1.1199E-02 2.3125E+00 2.3125E+00 2.4627E-01 2.3326E-02 2.3928E-01 6.7151E-02 1.3520E-01	2.7216E-02 1.5146E-01 2.4578E-04 2.4378E-00 1.8609E+00 2.3275E-02 6.6828E-02 2.3196E+00 2.2265E-01 -1.4011E-02 4.1553E-02 5.7302E-02	2.6684E-02 1.4850E-01 2.4490E-04 2.3909E+00 1.8396E+00 0.3293E+00 -0.5880E-02 0.21662E-01 1.8261E-11 2.1662E-01 5.5829E-12 -2.7332E-11	I=10 ·
P/RJASTSQ P/PT INF P/PINF RHO U V W UC VC WC VC WC VC WC VC	2.6684E-C2 1.4950E-01 2.4490E-C4 2.5509E-00 1.8396E+00 2.3233E+00 2.3232E+00 2.12662E-01 3.7152E-01 0. 1.2562E-C1 0. -2.1662E-C1 2.3212E+00	2.7218E-02 1.5146E-01 2.4578E-04 1.4680E+00 1.8669E+00 9.4297E-02 2.3275E+00 9.4297E-02 2.3196E+00 1.4011E-02 2.1919E-01 4.1553E-02 5.7302E-02 2.7302E-02 2.7302E-02	2.9955E-02 1.6670E-01 2.7491E-00 2.6839E-00 01.9791E+00 2.3214E+00 2.3214E+00 2.3125E+00 2.3125E+00 2.3462TE-01 3.3364E-02 2.3928E-01 6.7151E-02 1.3520E-01	3.4539E-02 1.9222E-01 3.1699E-04 2.0947E+00 2.1638E+00 2.3142E+00 -9.1709E-02 -1.1359E-01 2.9213E-01 3.9142E-02 2.93582E-01 7.1979E-02	4-1110E-02 2.2879E-01 3.7730E-04 3.6835E+00 2.4235E+00 2.3265E+00 6.1420E-10 2.2655E+00 6.2726E-10 3.4014E-01 6.1713E-10 3.4014E-01 6.0996E-10	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3100E+00 2.300E+00 2.9213E-01 7.1979E-02 2.4522E-01 1.6793E-01	2.9955E-02 1.6670F-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 2.3125E+00 2.3125E+00 2.3425E-01 -3.3324E-02 6.7151E-02 1.3520E-01 2.0853E-01	2.7216E-02 1.5146E-01 2.4578E-04 1.8609E+00 2.3275E+00 6.6828E-02 2.3196E-00 2.2265E-01 -1.4011E-02 2.1919E-01 4.1553E-02 5.7302E-02 2.1561E-01	2.6684E-02 1.4850E-01 2.4490E-04 2.3909E+00 1.8396E+00 2.3293E+00 0. 2.3212E+00 2.1662E-01 1.8261E-11 2.1662E-05	I=10 · · · ·
PYZASZACRYP PYTINF PYPINF RHO U V WC VCC WC VCC WCC VCC VCC VCC VCC VCC	2.6684E-C2 1.4950E-01 2.4470E-C4 2.5409E-C0 1.8196E-00 2.1273E+00 -7.5889E-C2 9. 2.3212E+00 0. 1.7152E-16 2.1662E-C1 0. 0.	2-7218E-02 1.5146E-01 2.4578E-04 2.4388E+00 1.8669E+00 9.4297E-02 2.3275E+00 2.3275E+00 2.3276E-01 1.4011E-02 2.1919E-01 4.1553E-02 5.7302E-02 2.3196E+00 1.4151E-01 2.3196E+00	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 2.3125E+00 2.3462TE-01 3.3364E-02 2.3928E-01 6.7151E-02 1.3520E-01 2.3125E+00 3.3459E+01	3.4539E-02 1.922E-01 3.1699E-04 2.0947E+02 2.3142E+00 9-1709E-02 1.1355E-01 2.3000E+00 2.9213E-01 3.9142E-02 2.45362E-01 7-11979E-02 2.4223E-01 2.3000E+00 6.0120E+00	4.1110E-02 2.2879E-01 3.6835E-00 2.4233E-00 2.3085E-02 9.9836E-02 6.1420E-10 2.2655E-00 6.2726E-10 3.4014E-01 6.1713E-10 3.4014E-01 6.2726E-10 3.4014E-01 6.2726E-10 3.4014E-01 6.2855E-00	3-4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 9.1709E-02 1.1355E-01 2.3000E+00 2.9213E-01 3.9162E-02 2.4523E-01 1.6793E-01 2.300E+00	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 1.9751E+00 -9.0740E-02 2.3214E+00 -9.0740E-02 2.3125E+00 -3.3364E-02 2.3928E-01 6.7151E-02 1.3520E-01 2.3825E-01 2.3825E-01 3.345FE+00	2-7216E-02 1-5146E-01 2-4578E-04 1-8609E+00 1-8609E+00 2-3275E+00 2-3275E+00 2-3276E-01 2-3276E-01 1-4011E-02 2-1919E-01 4-1553E-02 2-1561E-01 2-3196E+00 1-4515E-01	2.6684E-02 1.4850E-01 2.4450E-04 2.3909E+00 1.8396E+00 0.3293E+00 0. 2.3212E+00 0. 2.3212E+00 1.8261E-11 2.1662E-01 2.5927E-12 -2.7332E-11 2.1662E-01 2.3212E+00 0.000E-01 0.000	I=10
P/RTASTSO P/PTINF P/PINF RHO U V W UC VCC VCC VCC VCC VX VX VZ PSIVOR THETROR RBAR	2.6684E-C2 1.4850E-01 2.4470E-04 2.3509E+00 2.3293E+00 2.3293E+00 2.5889E-02 9. 2.2212E+00 2.1662E-01 2.3212E+00 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	2-7216E-02 1.5146E-01 2.4578E-04 1.4586E+00 1.86609E+00 0-9.4297E-02 2.3179E-01 0.2265E-01 1.4011E-02 2.1919E-01 0-4.1553E-02 2.3196E+00 2.3196E+00 1.4151E-01 2.3196E+00 8.4691E+01 3.4685E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 2.3125E+00 2.3462TE-01 3.3364E-02 2.3928E-02 1.3520E-01 2.3125E+00 2.3928E-02 3.3359E+00 8.4856E+01 6.7810E-01	3.4539E-02 1.922E-01 3.1699E-04 3.094TE+02 2.1638E+00 2.3142E+00 2.91470E-02 -1.1355E-01 2.3000E+00 0.9213E-01 2.9142E-02 2.9582E-01 2.9142E-02 2.422E-01 2.3000E+00 6.0120E+00 6.5847E+01 9.5752E-01	4.1110E-02 2.2879E-01 3.6835E-00 2.4233E-00 2.32685E-00 9.9836E-02 6.1420E-10 2.2655E-00 6.1713E-10 3.4014E-01 6.1713E-10 3.4014E-01 2.2855E-00 8.4650E-00 9.600E-01 9.4650E-00 9.600E-01	3.4539E-02 1.922E-01 3.1699E-04 2.1638E+00 2.3142E+00 9.1709E-02 1.1355E-01 2.3000E+00 2.9213E-01 3.9162E-02 2.4522E-01 1.6793E-01 2.300E+00 6.0120E+00 8.5847E+01 9.5752E-01	2.4955E-02 1.6670F-01 2.7491E-04 2.6899E+00 1.9751E+00 -9.0740E-02 2.3214E+00 -9.0740E-02 2.3125E+00 2.4627E-01 -3.334E-02 6.7151E-02 1.3520E-01 2.3825E-01 2.3825E-00 2.3825E-00 6.4856E+01 6.7810E-01	2-7216E-02 1-5146E-01 2-4578E-04 1-8609E+00 1-8609E+00 2-3275E+00 2-3275E+00 2-3275E+00 2-3295E-01 1-4011E-02 2-1919E-0 1-1-4011E-02 2-1919E-10 1-1553E-02 3-7302E-02 2-1561E-01 2-3196E+00 8-4691E-91 8-4691E-91 3-4665E-01	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 2.3293E-00 0.3293E-00 2.1662E-01 1.8261E-11 2.1662E-02 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 0.3212E-00 0.3212E-00 0.3212E-00 0.3469E-01 0.7465E-01 0.7465E-01	I=10
P/RJASTSQ P/PTINF P/PINF UVV W UC VC VCC WCC VCC WCC VYV VY VY VZ VY VY VZ VY VY VZ VZ VY VY VY VZ VZ VY VY VY VY VY VY VY VY VY VY VY VY VY	2.6684E-C2 1.4850E-01 2.4470E-04 2.3450FE+00 2.3273E+00 2.3273E+00 2.3273E+00 2.3273E+00 2.1272E+00 2.1272E-16 2.1662E-01 2.3212E+00 0.6469E+01 0.74669E+01	2.7216E-02 1.5146E-01 2.4578E-04 2.4578E-04 2.4578E-04 2.4578E-02 2.3196E-00 2.2255E-01 1.4011E-02 2.1196E-01 2.159E-02 5.7302E-02 2.1596E-01 2.3196E-00 1.41553E-02 5.7302E-02 6.4691E-01 1.4015E-01 1.4758E-01 1.4758E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 2.3214E+00 2-9.0740E-02 2-1.1199E-01 2.3125E+00 2.4627E-01 2.3125E+00 2.4627E-01 2.3125E+00 2.3928E-01 2.3125E+00 3.3364E-02 3.3520E-01 2.3125E+00 8.4856E+01 5.4672E-01 5.4672E-01 5.4672E-01 5.4672E-01	3.4539E-02 1.922E-01 3.1699E-04 3.094TE+02 2.1638E+00 2.3142E+00 2.9176E-02 2.1355E-01 2.3000E-00 2.9213E-01 2.3902E-01 2.9223E-01 2.4223E-01 2.3000E+00 6.0120E+00 6.5847E+01 8.4980E-01 8.4980E-01 8.4980E-01 8.4980E-01 8.4980E-01	4.1110E-02 2.2879E-01 3.6835E+00 2.4235E+00 2.4235E+00 2.2655E+00 3.4014E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 9.1709E-02 1.1355E-01 2.3000E+00 2.9213E-01 2.3000E+00 2.9213E-01 2.3000E+00 6.0120E+00 6.0120E+00 6.0120E+00 6.0120E+00 6.5847E+01 8.490E-01 8.490E-01 8.490E-01 8.490E-01 8.490E-01 8.490E-01	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 1.1199F-01 2.3125E+02 2.3125E+02 2.3125E+02 2.3125E+02 2.3326E-01 2.3125E+00 3.3346E-01 2.3125E+00 8.4856E+01 6.7810E-01 5.4672E-01 5.4672E-01	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3275E-00 2.3275E-00 2.3275E-00 2.3275E-00 2.3196E-00 2.2265E-01 1.4011E-02 2.1919E-01 2.3196E-00 2.3196E-00 3.4665E-01 1.4751E-00 3.4665E-01 1.7081E-01 1.7081E-01	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 2.3293E-00 0.3293E-00 2.1662E-01 1.8261E-11 2.1662E-02 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00 2.3212E-00	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF UV V VUC UC VC WCC VX VY VZ PSIVOR THETNOR XBAR XBHLD YBHLD	2.6694E-C2 1.4950E-O1 2.4470E-C4 2.3609E+C0 1.3195E+00 2.3193E+00 2.312E+00 2.12E+00 2.1662E-O1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1 0.000E-C1	2-7218E-02 1-5148E-01 2-4578E-04 2-4578E-04 2-3275E+00 2-3275E+00 2-3275E+00 2-3196E+00 2-2255E-01 1-4011E-02 2-21919E-01 4-1553E-02 2-21919E-01 2-3196E+00 1-4151E+00 1-4151E+00 1-4151E+01 3-4685E-01 1-7081E-01 7-7-4482E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 2.3125E+00 2.3427E-01 3.3346E-02 2.3928E-01 -6.7151E-02 2.3928E-01 -2.0853E-01 2.3125E+00 3.3459E+00 6.7810E-01 5.4672E-01 5.4672E-01	3.4539E-02 1.922E-01 3-1699E-04 3.094TE-60 2.094TE-60 2.3142E-00 9-1709E-02 2.313E-01 3.9162E-02 2.9358E-01 7-11979E-02 2.4223E-01 -7.1979E-02 2.4223E-01 -1.0793E-01 9.5752E-01 9.5752E-01 3.9480E-01 3.5847E-01 9.5752E-01	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.2655E-00 9.9836E-02 6.1420E-10 2.2855E-00 6.1713E-10 6.1713E-10 6.1713E-10 6.0796E-10 6.0796E-10 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.23113E-11 7.23113E-11	3.4539E-02 1.922E-01 3.1699E-06 3.1094TE+00 2.1638E+00 9.1709E-02 1.1375E-01 2.3000E+00 2.9213E-01 -3.9162E-02 2.4223E-01 1.6793E-01 1.6793E-01 2.3000E+00 6.0120E+00 8.5847E+01 9.5752E-01 3.598TE-01 3.4980E-01 3.4980E-01	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 1.9751E+00 9.0740E-02 1.1199E-01 2.3125E+00 2.4627E-01 -3.3344E-02 2.3928E-01 6.7151E-02 2.3928E-01 2.3125E+00 3.3459E+00 3.455E+00 5.4672E-01 5.4672E-01 5.4672E-01 5.4713E-01	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.3275E+00 -9.4275E-02 2.3176E+00 2.2265E-01 -1.4011E-02 2.1919E-01 4.1573E-02 2.1561E-01 2.3196E+00 1.4151E+00 1.405E-01 1.7081E-01 7.2324E-01 7.2324E-01 7.4482E-01	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 1.8396E-00 2.3293E-00 -9.5889E-02 0.21262E-01 1.8261E-11 2.1662E-01 2.27392E-12 2.27392E-12 2.3212E-00 -6.7465E-01 7.6874E-11 7.6565E-01	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF UU VC WC VC WC VC VC VC VC VC VC VC VC VC VC VC VC VC	2.6694E-C2 1.4850E-O1 2.4470E-C6 2.3609E+C0 1.3195E+00 2.3193E+00 2.3193E+00 2.312E+00 3.1192E-O1 0.4662E-C1 02.1662E-C1 07.665E-O1 7.7.665E-O1 2.8190E-C2 2.1802E+C0	2-7218E-02 1-5148E-04 2-478E-04 2-478E-04 2-438E-00 1.8609E-00 2-3275E-00 2-3275E-00 2-3275E-01 1-4011E-02 2-1919E-01 2-1553E-02 2-1516E-01 1-41553E-02 2-1516E-01 1-4151E-00 1-4151E-00 1-4278E-01 1-708E-01 1-708E-01 1-708E-01 1-708E-01 1-7234E-01 2-7247E-02 2-156E-01 1-7234E-01 1-74482E-01 2-7247E-02	2.9955E-02 1.6670E-01 2.7491E-06 2.6839E+00 1.9751E-00 2.3214E+00 -9.0740E-02 2.3125E+00 2.3427E-01 3.3344E-02 2.3928E-01 -6.7151E-02 2.3928E-01 -2.0853E-01 2.3125E+00 3.3459E+00 6.7810E-01 5.4672E-01 5.4672E-01 2.4043E-02	3.4539E-02 1.922E-01 3.1699E-04 3.0947E-06 2.0438E-00 2.3142E-06 2.3142E-02 2.9318E-01 3.9162E-02 2.9358E-01 7-11979E-02 2.4223E-01 2.4223E-01 2.4223E-01 2.4223E-01 1.0598E-01 3.9162E-02 1.4235E-01 1.3598E-01 3.5847E-01 3.5987E-01 1.4598E-01 1.4598E-01 1.4598E-01 1.4598E-01	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.2655E-00 9.9836E-02 6.1420E-10 2.2855E-00 6.1420E-10 6.1713E-10 6.1713E-10 6.1713E-10 6.0996E-10 6.000E-01 1.0964E-00 -2.3113E-11 1.6428E-02 1.23113E-11 1.6428E-02	3.4539E-02 1.922E-01 3.1699E-06 3.0947E+00 2.1638E+00 9.1709E-02 2.3142E+00 9.1709E-02 2.9213E-01 2.9213E-01 2.9213E-01 1.1375E-01 2.9213E-01 1.62E-02 2.4223E-01 1.6793E-01 1.6793E-01 3.5947E+01 9.5752E-01 3.5987E-01 1.4980E-01 3.4980E-01 1.4980E-01	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 2.3214E+00 2.3214E+00 2.3214E+00 2.3125E+00 2.4627E-01 2.3324E-02 2.4627E-01 2.3324E-02 2.3928E-01 2.0823E-01 2.3125E+00 3.345E+00 3.345E+00 5.4672E-01 5.4672E-01 5.4672E-01 5.4672E-01 2.4043E-02 2.11179E-01	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3278E+00 -9.4297E-02 2.3198E-00 2.2265E-01 -1.4011E-02 2.1919E-01 4.1573E-02 2.1591E-01 1.4151E-00 1.4151E-00 1.4065E-01 1.7081E-01 7.2334E-01 7.2482E-01 2.777E-02	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 1.8396E-00 0.3229E-02 0.2.3293E-02 0.2.1662E-01 1.8261E-11 2.1662E-01 1.8261E-11 2.1662E-01 2.27332E-11 2.3212E-00 -6.7465E-01 7.6874E-11 7.6565E-01 2.8790E-02 2.8790E-02 2.1732E-10	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF UV VV UC WC WC VC WC VC WC VC WC VC VC WC VC VC VC VC VC VC VC VC VC VC VC VC VC	2.6694E-C2 1.4850E-O1 2.4470E-C6 2.3609E+C0 1.3195E+00 -2.3193E+00 -2.3193E+00 -3.312E+00 3.122E+00 0.122E+C1 0.00 -2.1662E-C1 0.1662E-C1	2-7218E-02 1-5146E-01 2-4578E-04 2-4578E-04 2-4578E-02 2-3275E-00 2-4257E-02 2-3196E-00 2-225E-01 1-4011E-02 2-1919E-01 2-1553E-02 2-1516E-01 1-41553E-02 2-1516E-01 1-4015E-02 2-1516E-01 1-7031E-01 2-7234E-01 2-7277E-02 2-1566E-01 2-7277E-02 2-1566E-01 2-7277E-02 2-1666E-01 6-033Fe-00	2.9955E-02 1.6670E-01 2.7491E-04 2.6835E+00 1.9751E+00 2.3214E+00 -9.0740E-02 2.3125E+00 2.3125E+00 2.34627E-01 3.3364E-02 2.3928E-01 -6.7151E-02 2.3125E+00 3.3459E+00 6.7810E-01 5.4672E-01 5.4672E-01 6.4719E-01 2.4043E-02 1.1179E-01 6.4719E-01 6.4719E-01 6.4719E-01 6.4719E-01 6.4719E-01 6.4719E-01	3.4539E-02 1.922E-01 3.1699E-04 2.094TE-60 2.094TE-60 2.3142E-00 2.3142E-02 2.3000E-00 2.9213E-01 3.9162E-02 2.4523E-01 7-1979E-02 2.4523E-01 2.4513E-01 2	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.2655E-00 6.1420E-10 2.2855E-00 6.1420E-10 6.1713E-10	3.4539E-02 1.922E-01 3.1699E-06 3.0947E+00 2.1638E+00 2.3142E+00 -9.1709E-02 2.3000E+00 2.9213E-01 -3.9162E-02 2.4523E-01 1.6793E-01 1.6793E-01 2.3000E+00 6.0120E+00 6.0120E+00 1.5752E-01 1.6793E-01 1.6492E-02 1.5997E-01	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 2.3214E+00 2.3124E+00 2.3125E+00 2.4627E-01 -3.3324E-02 2.3928E-01 6.7151E-02 2.3928E-01 6.7151E-02 2.3125E+00 3.3459E+00 6.71610E-01 5.4672E-01 5.4672E-01 5.4672E-01 6.4719E-01 2.4043E-02 6.761E+00	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.4386E-02 2.3278E+00 -9.4257E-02 2.3196E-00 2.2265E-01 -1.4011E-02 2.1919E-01 4.1573E-02 2.1591E-01 1.4015E-02 2.3196E-01 1.4015E-02 2.3196E-01 1.4015E-02 2.334E-01 2.7277E-02 2.777E-02 2.777E-02 2.777E-02 2.777E-02 2.777E-02 2.777E-02 2.777E-02 2.777E-02 2.7277E-02 2	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 0.8396E-00 0.32328E-00 0.23212E-00 0.21662E-01 1.8261E-11 2.1662E-01 2.27332E-10 2.3212E+00 0.6745E-01 7.6874E-11 7.6565E-01 2.8790E-02 2.8790E-02 2.8790E-02 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01 0.1655E-01	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF UU VV WC WC VCC WCC VX VY VZ PSINDR THETNOR XBAR YBHLD THETNOR ZBHLD THETNOR XBHLD THETNOR XBLD THETNOR XBAR WBHLD THETNOR XBAR WBHLD THETNOR XBAR WBHLD THETNOR XBAR RDSSM SAAR	2.6694E-C2 1.4850E-O1 2.4470E-C6 2.3509E+C0 1.3195E+C0 2.3193E+C0 2.3129E+C0 2.166E-C1 3.7197E-16 02.166E-C1 02.162E+C1 07.665E-C1 2.8790E-C2 1.0524E-C1 6.1584E+C0 2.1682E-C1 6.1584E-C0 2.1682E-C1 6.1584E-C0 2.1682E-C1 2.1682E-C1 6.1584E-C0 2.1682E-C1 2.1682E-C1 6.1584E-C0 2.1682E-C1 2.1682E-C1 2.1682E-C1 2.1682E-C1 6.1584E-C0 2.1682E-C1 2.1682	2-7218E-02 1-5146E-01 2-478E-04 2-478E-04 2-4385E-00 0-4277E-02 2-3176E-00 0-225E-01 1-4011E-02 2-11919E-01 0-41553E-02 2-11919E-01 0-41553E-02 2-1561E-01 1-4015E-02 1-4016E-02 1-4151E-00 1-422E-01 1-422E-01 1-422E-01 1-422E-01 1-422E-01 1-422E-01 1-422E-01 1-422E-01 1-422E-01 1-422E-01 1-4239E-01 1-4239E-01 1-4239E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 -9.0740E-02 2.3125E+00 2.34627E-01 3.3344E-02 2.3928E-01 -6.7151E-02 2.3928E-01 -2.0853E-01 2.3125E+00 3.3459E+00 6.7810E-01 5.4672E-01 5.4672E-01 6.4719E-01 2.4043E-02 1.1179E-01 6.761E+00 4.1931E-01	3.4539E-02 1.922E-01 3.1699E-04 3.094TE-60 2.1638E-00 2.3142E-02 2.313E-01 2.3000E-00 2.9213E-01 3.9162E-02 2.1582E-01 7-11979E-02 2.4223E-01 2.4223E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.5987E-01 1.4949E-02 1.1662E-01 7.1088E-00 6.5752E-00 4.1388E-01 4.9109E-02	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.2655E-00 9.9836E-02 6.1420E-10 2.2855E-00 6.1420E-10 6.1713E-10 6.1713E-10 6.1713E-10 6.0996E-10 6.000E+01 1.0964E-00 7.23113E-11 1.6428E-02 1.2356E-01 8.157E-00 6.3559E-00 6.3559E-00 6.3559E-00 6.4571E-02	3.4539E-02 1.922E-01 3.1699E-06 3.0947E+00 2.1638E+00 9.1709E-02 2.3142E+02 1.1355E-01 2.3000E+00 6.0120E+00 6.0138E-01 7.1088E+00 6.138E-01 7.1088E+00 6.138E-01 7.1088E+00 6.138E-01 7.1088E+00 6.138E-01 7.1088E+00 6.138E-01 7.1088E+00 6.138E-01 7.1088E+00	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 9.0740E-02 1.1199E-01 2.3125E+05 2.4627E-01 -3.3324E-02 2.3928E-01 6.7151E-02 2.3928E-01 6.7151E-02 2.3125E+00 3.3459E+00 6.7610E-01 5.4672E-01 5.4672E-01 5.4672E-01 6.4719E-01 2.4043E-02 6.761E+00 4.1931E-01 6.761E+00 4.1931E-01 3.4420E-02	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3278E+00 -9.4257E-02 2.3198E-00 2.2255E-01 -1.4011E-02 2.1919E-01 4.1573E-02 2.1591E-01 1.401E-02 2.3196E-00 1.4151E-00 1.405E-01 7.2334E-01 7.2334E-01 2.7777E-02 2.777E-02 2.777E-02 2.777E-02 2.777E-02 2.777E-02 2.7277E-02	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 1.8396E-00 9.5889E-02 0.2122E-01 1.8261E-11 2.1662E-01 1.8261E-11 2.1662E-01 2.3212E-00 6.7465E-01 7.6874E-11 7.6565E-01 2.8790E-02 2.8790E-02 2.1524E-01 6.134E-01 9.674E-01 6.134E-01 6.347E-01	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF RHO U V W UC VC WC VCC WC VY VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ	2.6684E-C2 1.4850E-O1 2.4470E-C4 2.3509E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E-C1 2.3273E-C0 0.6 8.4669E+O1 0.7.565E-C1 2.379GE-C2 -1.0524E-C1 2.879GE-C2 -1.0524E-C1 2.8747E+C0 6.5747E+C0 6.5747E+C0 6.5747E+C0 6.5747E+C0 6.5747E+C0 6.5747E+C0 6.5747E+C0 6.5747E+C0	2.7216E-02 1.5146E-01 2.4578E-04 2.4578E-04 2.4578E-04 2.1576E-02 2.1576E-02 2.196E-02 2.2196E-02 2.2196E-01 1.4011E-02 2.1919E-01 2.1396E-00 1.41553E-02 5.7302E-02 2.1396E-00 1.4515E-01 2.3196E-00 1.4515E-01 2.3196E-00 1.4691E-01 1.7081E-01 1.7081E-01 1.7081E-01 2.7277E-02 1.0666E-01 6.2144E-01 6.2146E-01 6.2146E-01 2.159E-01 2.159E-01 2.179E-02 1.0666E-01 6.2146E-01 6.2146E-01 6.2146E-01 6.2146E-01 6.2146E-01	2.9955E-02 1.6670E-01 2.7491E-04 2.6835E+00 2.3214E+00 2-9.0740E+00 2-9.0740E+00 2.3125E+00 2.4627E-01 2.3125E+00 2.4627E-01 2.3125E+00 2.392E-01 2.3125E+00 3.3364E-02 1.3520E-01 2.3125E+00 3.3459E-01 2.3125E+00 3.3459E-01 5.4672E-02 1.54672E-02 1.54672E-02 1.179E-01 6.47612E-01 6.47612E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01 1.46472E-01	3.4539E-02 1.922E-01 3.1699E-04 3.094TE*+C 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.9213E-01 2.3000E+00 3.912E-02 2.423E-01 2.3000E+00 6.0120E+00 6.5847E+01 2.3596E-01 1.5498E-01 4.5134E-01 1.5498E-01 4.5134E-01 4.5134E-01 4.5134E-01 4.5134E-01 4.5134E-01 4.5134E-01 4.5752E+00 6.5752E+00 6.5	4.1110E-02 2.2879E-01 3.6835E+00 2.4235E+00 2.4235E+00 2.2655E+00 3.4014E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3213E-01 2.3000E+00 2.9213E-01 2.3000E+00 6.0120E+00 6.0120E+00 6.0120E+00 6.5847E+01 1.6793E-01 2.300E+00 6.5138E-01 1.6490E-01	2.4955E-02 1.6670F-01 2.749[E-04 2.6839E+00 1.975]E+00 2.3214E+00 -9.0740E-02 2.3125E-02 2.3125E-02 2.3125E-02 2.3325E-01 2.3125E+00 2.3325E-01 2.3125E+00 8.4856E-01 5.4672E-01 5.4672E-01 6.7810E-01 6.7810E-01 6.4793E-01 6.4793E-01 6.4793E-01 6.4793E-01 6.4793E-01 6.4793E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01 6.4963E-01	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3175E-00 6.682E-02 2.3196E+00 2.2265E-01 1.4011E-02 2.1919E-01 2.3196E+00 2.2156E-01 2.3196E+00 3.4665E-01 1.7081E-01 1.7081E-01 1.7081E-01 2.7277E-02 1.0686E-01 6.21446-00 6.9033E+00 6.9033E	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E+00 2.3293E+00 2.32293E+00 2.3212E+00 2.1662E-01 2.1662E-01 2.1662E-01 2.1662E-01 2.3212E+00 2.3212E+00 2.3212E+00 6.7465E-10 8.4669E+01 7.6576E-11 7.6674E-11 7.655E-01 7.655E-01 7.655E-01 6.1594E-00 6.3947E+00 6.3947E+00 6.3947E+00 6.3947E+00 6.3947E+00	I=10
P/RJASTSQ P/PTINF P/PINF RHO U V W UC VC WC VCC MCC VX VY VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ VZ	2.6684E-C2 1.4850E-O1 2.4470E-C4 2.3509E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 0.666E-C1 2.3212E+C0 0.669E+C1 2.3212E+C0 0.7.665E-C1 2.8790E-C2 2.669E+C1 2.8790E-C2 2.	2.7216E-02 1.5146E-01 2.4578E-04 2.4578E-04 2.4578E-04 2.4578E-04 2.1860E+00 2.3275E+00 2.2255E-01 1.4011E-02 2.194E-00 2.2255E-01 1.4011E-02 2.194E-01 2.3196E+00 3.465E-01 1.7081E-01 1.7081E-01 1.7081E-01 2.7277E-02 1.0666E-01 2.1921E-02 1.1921E-02 1.140E-02 1.7234E-01 2.7277E-02 1.0216E-01 2.1921E-02 1.140E-02 1.140E-01 1.7234E-02 1.1408E-02 1.1408E-02	2.9955E-02 1.6670E-01 2.7491E-04 2.6835E+00 2.3214E+00 2-9.0740E-02 2.3125E+00 2.4627E-01 2.3125E+00 2.4627E-01 2.3125E+00 2.3928E-01 2.3125E+00 3.3364E-02 2.3928E-01 2.3125E+00 3.3459E-01 2.3125E+00 3.3459E-01 5.4672E-01 5.4672E-01 5.4672E-02 1.179E-01 6.47913E-01 6.47913E-01 6.4903E-00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7601E+00 6.7501E+	3.4539E-02 1.922E-01 3.1699E-04 3.094TE*+C 2.1638E+00 2.3142E+00 2.3142E+00 2.9170E-02 -1.1355E-01 2.3000E+00 3.912E-02 2.4223E-01 2.3000E+00 6.0120E+00 6.5847E+01 2.3596E-01 1.5498E-01	4.1110E-02 2.2879E-01 3.6835E+00 2.4235E+00 2.4235E+00 2.2655E+00 3.4014E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3200E+00 2.9213E-01 2.3000E+00 2.9213E-01 2.3000E+00 6.922E-02 2.4228E-01 2.3000E+00 6.512E-02 8.4980E-01 4.5138E-01	2.4955E-02 1.6670F-01 2.749[E-04 2.6839E+00 1.975]E+00 2.3214E+00 -9.0740E-02 2.3125E+00 2.3125E+02 2.3125E+02 2.3125E+02 2.3125E+01 2.3125E+01 2.3125E+00 3.345E-02 1.3520E-01 2.3125E+00 8.4855E+01 5.4672E-01 5.4672E-01 6.4719E-01 6.4719E-01 6.4763E-00 6.7661E+00 6.4963E+00 6.7661E+00 6.4963E+00 6.4963E+00 6.4963E+00 6.7661E+00 6.4963E+00 6.7661E+00 6.4963E+00 6.7661E+00 6.4963E+00 6.7661E+00 6.4963E+00 6.77661E+00 6.4963E+00 6.77661E+00 6.4963E+0	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3275E-00 6.6828E-02 2.3196E+00 2.2265E-01 1.4011E-02 2.1919E-01 2.3196E+00 2.21561E-01 2.3196E+00 3.4665E-01 1.7081E-01 1.7081E-01 1.7081E-01 2.7277E-02 -1.0686E-01 2.7277E-02 -1.0686E-01 2.1921E-02 4.2164E-01 3.429E-01 2.1921E-02 1.1462E-02 1.1462E-02 9.4667E-01 1.1921E-02 9.4667E-01 1.10315E+02	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E+00 2.3293E+00 2.32293E+00 2.3212E+00 2.1662E-01 1.8261E-11 2.1662E-01 2.3212E+00 2.3212E+00 2.3212E+00 2.3212E+00 6.7465E-10 1.7667E-11 7.6674E-11 7.6674E-11 7.6565E-01 7.6556E-01 1.6524E-01 6.1584E-01	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF P/PINF UV W UC VC WCC WCC WCC VX VY VSINDR THETNDR XBAR XBHLD VBAL G G DEONS AM CROSSM SBAR PORTIGAM PORTIGAM PT/PTINF	2.6684E-C2 1.4850E-O1 2.4470E-C6 2.3509E+O0 1.3293E+O0 2.3293E+O0 2.3212E+O0 0.12662E-O1 3.7197E-16 2.1662E-C1 02.1662E-C1 2.3212E+C0 07.6565E-C1 2.8790E-C2 1.0524E-C1 6.1584E+C0 1.812E-O2 1.1267E-O2 1.1267E-O2 1.1267E-O2	2-7218E-02 1-5146E-01 2-478E-04 2-478E-04 2-478E-02 2-3275E-00 -5-4276E-02 2-3196E-00 2-2255E-01 1-4011E-02 2-1191E-01 -4-1553E-02 2-1591E-01 1-41553E-02 2-1591E-01 1-41558E-01 1-7081E-01 1-7081E-01 1-7081E-01 2-7278E-02 1-7234E-01 1-7234E-01 2-7244E-00 2-144E-00 2-1429E-01 2-1921E-02 1-1408E-02 1-408E-02 1-408E-02 1-408E-02 1-408E-02 1-408E-02 1-408E-02 1-408E-02	2.9955E-02 1.6670E-01 2.7491E-04 2.6835E+00 1.9731E+00 2.3214E+00 -9.0740E-02 2.3125E+00 2.4627E-01 3.3344E-02 2.1325E+00 3.3455E+01 2.3125E+00 3.3459E+00 6.77810E-01 2.64712E-01 2.64712E-01 2.64712E-01 2.64719E-01 2.4043E-02 1.1179E-01 2.4043E-02 1.1179E-01 2.4043E-02 1.1179E-01 3.4420E-02 1.1520E-03 2.755E-01	3.4539E-02 1.922E-01 3.1699E-04 2.0947E-06 2.1638E+00 2.3142E-00 2.11355E-01 2.3000E-00 2.9213E-01 3.9162E-02 2.4523E-01 7-1979E-02 2.4523E-01 2.4500E-00 6.0120E+00 6.0120E-01 7.100E-02 1.1720E-02 6.01720E-01	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.2655E-00 6.1420E-10 2.2655E-00 3.4014E-01 6.1713E-10 3.4014E-01 6.1713E-10 6.0996E-10 6.000E-01 6.2255E-00 8.4650E-00 7.23113E-11 1.6428E-02 1.2356E-01 8.1517E-00 6.3559E-00 6.3559E-00 6.3559E-00 9.2717E-01 1.655E-01 9.2717E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1348E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3142E-01 2.3000E+00 2.9213E-01 2.913E-01 2.913E-01 2.9213E-01 2.9213E-01 2.9592E-01 2.9	2.4955E-02 1.6670F-01 2.6491E-04 2.6839E+00 1.9751E+00 2.3214E+00 9.0740E-02 1.1199E-01 2.3125E+00 2.4627E-01 -3.3324E-02 2.3928E-01 6.7151E-02 2.3928E-01 6.7810E-01 5.4672E-01 5.4672E-01 5.4672E-01 5.4672E-01 6.4719E-01 2.4043E-02 1.1179E-01 6.7661E+00 4.1931E-01 3.4420E-02 1.1522E-02 1.3528E-01	2.7218E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3278E-00 9.4278E-02 2.3178E-02 2.3178E-02 2.1919E-01 4.1573E-02 2.1516E-01 1.4011E-02 2.1516E-01 1.4018E-02 2.3196E-01 1.4018E-02 2.3396E-01 2.4396E-01 2.4278E-02 2.4778E-02 2.4778E-02 2.4778E-02 2.4778E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02 2.47278E-02	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 1.8396E-00 2.3229E-00 -9.5889E-02 2.3229E-00 2.1662E-01 1.8261E-11 2.1662E-01 1.8261E-12 2.1662E-01 2.1662E-01 2.1662E-01 2.3212E-00 -6.7465E-10 7.6874E-11 7.6565E-01 2.8732E-00 6.7347E-00 2.8732E-00 6.7347E-00 2.8732E-01 1.8312E-00 1.1347E-02 2.8732E-01 1.8312E-01	I=10
P/RJASTSO P/PTINF P/PINF P/PINF RHO U V W UC VC WCC WCC VX VY VSINDR THETNOR XBAR ZBHLD YBAR G G DEONS AM CROSSM SBAR PORTOGAM PT/PTINF PT BERNOUL DPDZ DUDZ	2.6684E-C2 1.4850E-O1 2.4470E-C6 2.3509E+O0 1.3293E+O0 2.3293E+O0 2.3212E+O 0.21662E-O1 3.7197E-16 2.1662E-C1 02.1662E-C1 2.3212E+C0 07.6565E-O1 2.8790E-C2 1.0524E-C1 6.1584E+C0 1.812E-O2 1.1267E-O2 1.1267E-O2 1.1267E-O2 2.11867E-O3 2.6690E-O1 1.6408E+O2 0.11867E-O3 2.6690E-O1 1.6408E+O2 0.1887E-O3 6.69017E-O3	2-7216E-02 1-5146E-01 2-4578E-04 2-4578E-04 2-4578E-02 -5425F-02 2-3175E-00 -6-427F-02 2-31765E-01 1-4011E-02 2-11912E-01 -4-1553E-02 2-15912E-01 1-4011E-02 -2-1561E-01 1-7081E-01 -7-2334E-01 1-7081E-01 -7-2334E-01 2-7277E-02 2-1546E-01 2-7277E-02 1-468E-01 6-9033E-00 1-4192E-02 1-1408E-02 1-	2.9955E-02 1.6670E-01 2.7491E-04 2.6835E+00 2.3214E+00 2.3214E+00 2.3124E+00 2.3125E+00 2.3125E+00 2.3125E-01 2.3125E-01 2.3125E-01 2.3125E-01 3.3456E-01 2.3125E-01 3.3459E+00 3.3459E+00 3.4627E-01 2.463E-02 2.1125E-01 2.4627E-01 2.403E-02 2.1125E-01 2.4043E-02 2.1125E-01 2.4045E-02 2.1125E-01 2.4045E-02 2.1152E-01 2.4045E-01 2.4045E-01 2.4045E-01 2.4045E-01 2.4045E-01 2.4045E-01 2.4045E-01 2.4045E-01 2.595E-01 2.4045E-01 2.595E-01 2.595E-01 9.9976E+01 5.850E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E-06 2.1638E+00 2.3142E-00 2.11355E-01 2.3000E-00 2.9213E-01 3.9162E-02 2.4523E-01 7.1979E-02 2.4523E-01 2.4523E-01 3.9162E-01 3.5967E-01 1.4549E-01 3.5967E-01 1.48492E-02 1.1662E-01 7.11088E-00 4.1388E-01 4.9109E-02 1.172E-02 4.9138E-01 4.9109E-02 1.172E-02 4.930E-03 1.9497E-02 1.9497E-02 1.9497E-02 1.9497E-02 1.9497E-02 1.9497E-03 1.9497E-02 1.9497E-03 1.9497E-02 1.9497E-03 1	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.4235E-00 2.4235E-00 2.4235E-00 2.4235E-00 6.1420E-10 2.2655E-00 3.4014E-01 6.1713E-10 3.4014E-01 6.0996E-10 6.1713E-10 6.0906E-00 7.23113E-11 1.6428E-02 7.23116E-11 1.6428E-02 7.402E-01 6.1571E-00 6.4571E-02 1.1905E-02 1.1905E-03 6.4571E-02 1.1905E-03 6.4571E-02 1.1905E-03 6.7717E-01 7.7718E-03	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.1318E+00 2.3142E+00 2.1318E-01 2.3000E+00 2.9213E-01 2.1925E-01 2.1925E-01 2.1925E-01 2.1926E-01 2	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 1.9751E+02 2.3125E-00 2.3125E-00 2.3928E-01 2.4627F-01 2.3928E-01 2.3928E-01 2.3125E+00 2.3125E+00 3.3459E+00 6.7713E-02 2.4043E-02 1.1179E-01 2.4043E-02 1.1179E-01 2.4043E-02 2.1152E-00 2.1525E-01 9.9976E+01 9.9976E+01 9.9976E+01 9.9976E+01	2.7218E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3278E-00 9.4278E-02 2.3278E-02 2.3278E-02 2.3278E-02 2.1919E-01 4.1573E-02 2.1518E-01 1.4018E-02 2.33796E-03 1.4518E-03 1.4018E-02 2.3396E-01 2.4378E-01 2.4378E-01 2.4727E-02 2.777E-02 2.1727E-02	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 0.18396E-00 2.3229E-00 0.21662E-01 1.8261E-11 2.1662E-01 1.8261E-12 2.1662E-01 2.1662E-01 2.1662E-01 2.1662E-01 2.1652E-01 2.1652E-01 2.3212E-00 -0.7465E-10 7.6874E-11 7.6565E-01 2.8730E-02 2.8732E-00 6.7347E-00 2.8523E-01 1.8312E-02 1.1347E-02 2.9525E-01 1.0408E-02 2.1388E-03 9.5255E-01 1.0408E-02 2.1388E-03 -0.4017E-03	I=10
P/RJASTSO P/PTINF P/PINF P/PINF P/PINF RHO UV WC WC WC WC WC WC VX VY VX VY PSINDR THETNOR XBAR ZBHLD YBHLD ETA G G DEONS AM CROSSM SBAR PORJGAM PITTINF PIT DPPZ DUDZ DWDZ DWDZ	2.6684E-C2 1.4850E-O1 2.4470E-C6 2.3509E+O0 1.3293E+O0 2.3293E+O0 2.3212E+O0 0.21662E-O1 3.7197E-16 2.1662E-C1 02.1662E-C1 2.3212E+C0 07.6565E-O1 2.8790E-C2 1.0524E-C1 6.1584E+C0 1.812E-O2 1.1267E-O2 1.1267E-O2 2.11267E-O2 2.11267E-O3 2.1	2-7218E-02 1-5146E-01 2-4578E-04 2-4578E-04 2-4578E-02 -5425F-02 2-3175E-00 -6-4237E-02 2-31765E-01 1-4011E-02 2-1553E-02 2-1592E-02 2-1592E-02 2-1592E-02 2-1593E-01 1-4011E-02 2-1593E-01 1-7081E-01 -7-2334E-01 2-7277E-02 2-1546E-01 2-7277E-02 2-1546E-01 2-7277E-02 2-1468E-01 2-1468E-01 2-1468E-01 2-1408E-02 2-14	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+00 2.914FE-02 2.1199E-01 2.3125E+00 2.4627E-01 2.4627E-01 2.4627E-01 2.4647E-02 1.4671E-02 1.4671E-01 2.4647E-02 1.479E-01 3.4420E-02 1.1552E-02 9.1755E-01 3.4420E-02 9.1755E-01 3.4420E-02 9.1755E-01 3.4420E-02 9.1755E-01 3.4420E-02 9.1755E-01 3.4420E-03 4.8956E-03 4.8956E-03 4.8956E-03 4.8956E-03 4.8956E-03	3.4539E-02 1.922E-01 3.1699E-04 3.094TE-4C 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.9213E-01 2.3000E+00 2.9213E-01 2.3000E+00 6.0120E+00 8.5847E+01 2.3000E+00 8.5847E+01 2.3000E+00 8.5847E+01 2.3000E+00 6.5752E-01 8.4980E-01 1.8442E-02 -1.162E-01 4.910E-02 -1.1722E-02 8.4446E-01 4.9109E-02 -1.1722E-02 8.8446E-01 -1.1722E-02 8.8446E-01 -2.8430E-03 -3.8784E-03 -3.8784E-03 -3.8784E-03 -3.8784E-03 -3.8784E-03 -3.8784E-03	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.4235E-00 3.4014E-01 3.4014E-02 3.4014E-01 3.4014E-02 3.4014E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3213E-01 2.3000E+00 2.9213E-01 2.3000E+00 2.9213E-01 2.3000E+00 6.922E-02 2.4223E-01 2.3000E+00 6.5847E+01 4.5792E-01 4.5792E-01 4.5792E-01 4.5792E-01 4.5792E-01 4.9108E-02 6.4468E-01 4.9109E-02 6.4468E-01 4.9109E-02 6.4468E-01 4.9109E-02 6.4468E-01 4.9109E-02 6.8468E-01 4.9109E-02 6.8468E-01 4.9109E-02 6.8468E-01 4.9109E-03 6.938E-04 6.938E-04 6.938E-04	2.4955E-02 1.6670F-01 2.749[E-04 2.6839E+00 2.3214E+00 2.3214E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 3.345E-01 2.3125E+01 3.345E-01 2.3125E+01 3.4571E-01 3.	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.4978E-02 6.682E-02 6.682E-02 2.3196+00 2.2265E-01 1.4011E-02 2.1919E-01 2.3196E-00 2.1561E-01 2.3196E-00 1.4751E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 2.7277E-02 1.7081E-01 2.7277E-02 1.7081E-01 2.7277E-02 1.7081E-01 2.7171E-02 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 2.7171E-02 2.7171E-02 2.7171E-02 2.7171E-02 2.7171E-02 2.7171E-02 2.7171E-02 2.7181E-01 2.7191E-02 2.7191E-0	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 0.18396E-00 2.3229E-00 0.21662E-01 1.8261E-11 2.1662E-01 1.8261E-12 2.1662E-01 2.1662E-01 2.1662E-01 2.1652E-01 2.1652E-01 2.3212E-00 -0.7465E-10 7.6874E-11 7.6565E-01 2.8730E-02 2.8732E-00 6.7347E-00 2.8523E-01 1.8312E-02 1.1347E-02 2.8523E-01 1.6348E-09 9.5525E-01 1.0408E-02 2.1367E-02 1.0368E-09 -2.1887E-03 6.9017E-03 -2.9736E-12	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF RHO UV WC VC WCC WCC WCC VX VY VSINDR THETNOR XBAR ZBHLD ETA G G DEONS AM CROSSM SBAR PORJGAM PT/PTINF PT DUD/Z DUD/Z DUD/Z DUD/Z DUD/Z DVD/Z	2.6684E-C2 1.4850E-O1 2.4470E-C6 2.3509E+O0 1.839E+O0 2.3293E+O0 2.3212E+O 0.21662E-O1 3.7197E-16 2.1662E-C1 02.1662E-C1 2.3212E+C0 07.6565E-O1 2.8790E-C2 1.1524E-C1 6.1584E+C0 1.812E-O2 1.1267E-O2 1.1267E-O2 2.1267E-O3 2.2870E-C3 6.9017E-O3 2.2870E-C1 1.4*00E+D2 6.819E-D2 6.819E-D2 1.14*00E-D2 1.14*00E-D2 1.14*00E-D2 6.819E-D3 2.819E-16	2.7218E-02 1.5146E-01 2.4578E-04 2.4578E-04 2.4578E-02 2.3275E+00 -6.4237E-02 2.3156E-01 1.4011E-02 2.1919E-01 -4.1553E-02 2.1919E-01 -4.1553E-02 2.1919E-01 -4.1553E-02 2.1919E-01 -4.1553E-02 2.1919E-01 2.13196E-01 1.7081E-01 -7.2334E-01 2.727TE-02 2.1544E-00 2.4239E-01 1.108E-01 2.1921E-02 1.1408E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-03 2.217	2.9955E-02 1.6670E-01 2.7491E-04 2.6835E+00 2.3214E+00 2.3214E+00 2.3124E+00 2.3125E+00 2.3125E+00 2.3125E-01 2.3125E-01 2.3125E-01 3.3346E-02 2.3928E-01 2.3125E+00 3.3459E+00 3.3459E+00 3.452E-01 2.4627E-01 2.463E-02 2.1125E-01 2.463E-02 2.1125E-01 2.463E-02 2.1125E-01 2.463E-02 2.1152E-02 2.1152E-01 2.463E-02 2.1152E-01 2.463E-02 2.1152E-01 2.475E-01 2	3.4539E-02 1.922E-01 3.1699E-04 2.0947E-06 2.1638E+00 2.3142E-02 2.11355E-01 2.3000E-00 2.9213E-01 3.9162E-02 2.4523E-01 2.11662E-01 7.11088E-00 4.1388E-01 2.11662E-01 7.11088E-00 4.1388E-01 2.1523E-04 2.1538E-04 2.1538E-01 2.1556E-01 2.1576E-01 2.1176E-02 2.1476E-02 2.1476E-02 2.1476E-02	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.4235E-00 2.4235E-00 2.4235E-00 6.1420E-10 2.2655E-00 3.4014E-01 6.1713E-10 3.4014E-01 6.0996E-10 6.1713E-10 6.0996E-10 6.1713E-10 6.0906E-00 7.23113E-11 1.6428E-02 7.23116E-11 1.6428E-02 7.402E-01 6.4571E-02 1.1905E-02 1.1905E-02 1.1905E-03 4.5093E-01 9.2717E-01	3.4539E-02 1.922E-01 3.1699E-06 3.0947E+00 2.1342E+00 9.1709E-02 2.3000E+00 2.9213E-01 -3.9162E-02 2.4223E-01 1.6793E-01 1.68490E-02 2.8582E-01 7.1088E+00 4.1388E-01 7.1088E+00 4.1388E-01 7.1088E+00 4.1388E-01 7.1088E+00 4.1388E-01 1.6492E-02 1.7172E-02 1.7172E-02 1.7172E-02 1.7172E-01 2.6874E-03 2.1576E-01 1.1417E-02 1.1476E-01	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 2.3214E+00 2.3214E+00 2.3214E+00 2.3124E-01 2.3128E-01 2.4627E-01 3.3324E-02 2.3928E-01 6.7151E-02 2.3928E-01 6.7151E-02 2.3128E+00 3.3459E+00 6.4719E-01 2.4043E-02 1.1179E-01 2.4043E-02 1.1179E-01 2.4043E-02 1.1179E-01 2.4043E-02 1.1179E-01 2.4043E-02 1.1528E-01 4.791E-01 3.4420E-02 1.755E-01 9.9976E+01 6.850E-01 9.9976E+01 6.850E-01 9.9976E+01 6.850E-01 9.9976E+01 6.850E-01 9.9976E-01 9.9976E-01 9.9976E-01 9.9976E-01 9.9976E-01 9.9976E-01 9.9976E-01 9.9976E-01	2.7218E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3278E-00 9.4278E-02 2.3278E-02 2.3278E-02 2.3278E-01 1.4011E-02 2.1919E-01 4.1573E-02 2.1516E-01 1.4018E-02 2.33796E-03 1.4018E-02 2.33796E-03 1.4018E-02 2.3398E-01 2.7277E-02 2.77	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E-00 0.18396E-00 2.3229E-00 0.5289E-02 2.3229E-00 2.1662E-01 1.8261E-11 2.1662E-01 2.1662E-01 2.1662E-01 2.1662E-01 2.1652E-01 2.1652E-01 2.3212E-00 -7.465E-10 2.3212E-00 -7.6874E-11 7.6565E-01 2.8730E-02 2.8732E-00 2.8732E-00 2.8732E-00 2.8732E-01 1.8312E-02 1.1347E-02 2.9525E-01 1.0408E-02 2.1367E-02 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01 2.3670E-01	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF RHO U V W UC VC MC VCC WC VY VZ VZ VS SANA VSHLD VSANA VSANA VSHLD VSANA VSA	2.6684E-C2 1.4850E-O1 2.4470E-C4 2.3509E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E-C1 2.3272E+C0 0.6 8.4669E+O1 0.7.6568E-C1 2.879GE-C2 2.879GE-C2 2.8747E+C0 6.524	2.7216E-02 1.5146E-01 1.8609E+00 2.1275E+00 2.1275E+00 2.1275E+00 2.1275E+00 2.2255E-01 1.4011E-02 2.1191E-01 2.3196E+00 2.2255E-01 1.4011E-02 2.1191E-01 2.3196E+00 3.4691E+01 1.7081E-01 1.7081E-01 1.7081E-01 2.7277E-02 1.0666E-01 2.7277E-02 1.1086E-01 2.1191E-02 2.1191E-02 2.1191E-01 2.7277E-02 1.1086E-01 2.7277E-02 1.1086E-01 2.1217E-02 2.1561E-01 2.7277E-02 1.1086E-01 2.1217E-02 2.1217E-02 2.1217E-02 2.1217E-02 2.1217E-02 2.1408E-01 2.1217E-02 2.1408E-01 2.0618E-01 2.0717E-02 2.1408E-01 2.0717E-02	2.9955E-02 1.6670E-01 2.7491E-04 2.6835E+00 2.3214E+00 2.3214E+00 2.3124E+00 2.3125E+00 2.3125E+00 2.3125E-01 2.3125E-01 2.3125E-01 3.3346E-02 2.3928E-01 2.3125E+00 3.3459E+00 3.3459E+00 3.452E-01 2.4627E-01 2.463E-02 2.1125E-01 2.463E-02 2.1125E-01 2.463E-02 2.1125E-01 2.463E-02 2.1152E-02 2.1152E-01 2.463E-02 2.1152E-01 2.463E-02 2.1152E-01 2.475E-01 2	3.4539E-02 1.922E-01 3.1699E-04 3.094TE*+CC 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.9213E-01 2.3000E+00 2.9213E-01 2.3000E+00 6.0120E+00 6.0120E+00 6.532E-01 1.8492E-02 -1.162E-01 7.1098E-01 1.8492E-02 -1.162E-01 4.9198E-02 -1.162E-01 2.303E-03 3.872E-01	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.3265E-00 3.4014E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3200E+00 2.9213E-01 2.3000E+00 6.5847E+01 2.3000E+00 6.5847E+01 2.300E+00 6.5120E-02 6.45490E-01 1.6493E-01 2.5752E-01 6.490E-01 1.6493E-01 2.5752E-01 6.490E-01 2.300E+00 6.5752E-01 6.490E-01 2.300E+00 6.5752E-01 6.490E-01 2.300E+00 6.5752E-01 6.490E-01 2.3572E-01 6.490E-01 2.3572E-01	2.4955E-02 1.6670F-01 2.749[E-04 2.6839E+00 2.3214E+00 2.3214E+00 2.3125E+02 2.3125E+02 2.3125E+02 2.3125E+02 2.3125E+02 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 2.3125E+01 3.345E-02 1.3520E-01 2.3125E+00 8.4855E+01 2.4043E-02 2.1179E-01 6.4719E-01 3.440E-02 2.1179E-01 3.440E-02 9.1755E-01 9.975E-01 9.975E-01 9.975E-01 9.975E-01 9.975E-01 9.975E-01 9.975E-01 9.975E-01 9.975E-01 9.975E-01 9.175E-01	2.7218E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.3278E-00 9.4278E-02 2.3278E-02 2.3278E-02 2.3278E-01 1.4011E-02 2.1919E-01 4.1573E-02 2.1516E-01 1.4018E-02 2.33796E-03 1.4018E-02 2.33796E-03 1.4018E-02 2.3398E-01 2.7277E-02 2.77	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E+00 0.3293E+00 0.3293E+00 0.3293E+00 0.3293E+00 0.3293E+00 2.1662E-01 2.1662E-01 2.1662E-01 2.3212E+00 0.7465E-10 8.4669E+01 7.6674E-11 7.6674E-11 7.6558E-01 1.524E-01 0.524E-01 0.534E-0	I=10
P/RJASTSQ P/PTINF P/PINF P/PINF P/PINF RHO U V W UC VC WC VCC WC VY VZ VY VZ VY VZ VS SAR VSHLD SAR VSHLD SAR VSHLD SAR VSHLD SAR VSHLD VSAR VSAR VSHLD VSAR VSAR VSHLD VSAR VSAR VSHLD VSAR VSAR VSHLD VSAR VSAR VSHLD VSAR VSAR VSAR VSAR VSAR VSAR VSAR VSAR	2.6684E-C2 1.4850E-O1 2.4470E-C4 2.3509E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E+C0 2.3273E-C1 2.3272E+C0 0.6.669E+O1 0.7.6569E-C1 2.8790E-C2 2.1052E-C1 2.8790E-C2 2.1052E-C1 2.8790E-C2 1.052E-C1 2.8790E-C2 1.052E-C1 2.8790E-C2 1.052E-C1 1.167E-O2 9.552F-O1 1.0400E+O2 1.047E-O2 9.5529E-O1 1.0400E+O2 1.047E-O2 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5529E-O1 1.0400E+O2 1.047E-O3 9.5519E-O3 1.047E-O3 1	2.7218E-02 1.5146E-01 2.4578E-04 2.4578E-04 2.4578E-02 2.3275E+00 -6.4237E-02 2.3156E-01 1.4011E-02 2.1919E-01 -4.1553E-02 2.1919E-01 -4.1553E-02 2.1919E-01 -4.1553E-02 2.1919E-01 -4.1553E-02 2.1919E-01 2.13196E-01 1.7081E-01 -7.2334E-01 2.727TE-02 2.1544E-00 2.4239E-01 1.108E-01 2.1921E-02 1.1408E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-02 2.2172E-03 2.217	2.9955E-02 1.6670E-01 2.7491E-04 2.6839E+00 1.9751E+00 2.3214E+01 2.914F-02 2.1199E-01 2.3125E+00 2.4627E-01 2.3125E+00 2.4627E-01 2.3125E+00 3.3364E-02 2.392E-01 2.3125E+00 3.3459E-01 2.3125E+00 3.459E-01 2.3125E+00 3.459E-01 2.4672E-02 1.54672E-02 1.54672E-02 1.54672E-02 1.1179E-01 3.4420E-02 1.1179E-01 3.4420E-02 1.1552E-02 9.1755E-01 7.640E+00 1.755E-01 7.640E-01 7.640E-01 7.640E-01 7.640E-01 7.640E-01 7.640E-02 6.613E-02 6.613E-02 6.613E-02 6.613E-02	3.4539E-02 1.922E-01 3.1699E-04 3.094TE*+C 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.9213E-01 2.3000E+00 2.9213E-01 2.3900E+00 6.0120E+00 6.0120E+00 6.0120E+00 6.1388E-01 1.8492E-02 -1.162E-01 7.162E-01 4.9196E-02 -1.162E-01 2.300E+00 6.5752E+00 6.5	4.1110E-02 2.2879E-01 3.6835E-00 2.4235E-00 2.4235E-00 2.4235E-00 3.4014E-01	3.4539E-02 1.922E-01 3.1699E-04 3.0947E+00 2.1638E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3142E+00 2.3200E+00 2.9213E-01 2.3000E+00 6.5847E+01 2.3000E+00 6.5847E+01 2.3000E+00 6.5126E-01 2.490E-01 4.910E-02 2.4126E-01 4.9109E-02 2.8436E-03 3.8784E-03	2.4955E-02 1.6670F-01 2.7491E-04 2.6839E+00 2.3214E+00 2.3214E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+00 2.3125E+00 3.3459E+00 3.3459E+00 6.7151E-02 6.7151E-02 2.0853E-01 2.3125E+00 6.7810E-01 5.4672E-01 6.4719E-01 5.4672E-01 2.4043E-02 -1.1179E-01 3.4420E-02 9.1755E-01 9.1755E-01 9.976E+01 5.8750E-05 1.926E-03 -4.8958E-02 -2.1120E-01 -7.6488E-04 -1.548E-02 -6.613E-02 -6.613E-02	2.7216E-02 1.5146E-01 2.4978E-04 2.4978E-04 2.4978E-04 2.4978E-02 6.682E-02 2.3196E+00 2.2255E-01 1.4011E-02 2.1919E-01 2.3196E+00 2.21561E-01 2.3196E+00 3.4665E-01 1.7081E-01 1.7081E-01 1.7081E-01 1.7081E-01 2.7277E-02 -1.0686E-01 2.7277E-02 -1.0686E-01 2.1921E-02 -1.4686E-01 2.1921E-02 -2.2172E-05 -2	2.6684E-02 1.4890E-01 2.4490E-04 2.3909E+00 2.3293E+00 2.3212E+00 2.1662E-01 2.1662E-01 2.1662E-01 2.1662E-01 2.1662E-01 2.1662E-01 2.3212E+00 6.7465E-10 8.4669E+01 7.6565E-01 7.6565E-01 7.6576E-10 7.6776E-12	I=10

			٠.	ZETA= 3.00	COCCCOE-O1					
	[=1"	t=2	1=3	1=4	I = f	I =6	1=7	1=8	I≠9	I=10
P/ROASTSQ	2.6876E-C2 1.4957E-01	2.7395E-02 1.5246F-01	3.0112E-02 1.6758E-01	3.4777E-02 1.9354E-C1	4.1634E-02 2.3170E-C1	3.4777E-02 1.9354E-01	3.0112E-02 1.6758E-01	2.7395E-02 1.5246E-01	2.6876E-C2 1.4957E-01	
P/PTINF	2.4666E-04	2.5142E-04	2.7636E-04	3.1917E-04	3.8211E-04	3.1917E-04	2.7636E-04	2.5142E-04	2.4666E-04	
P/PINF	2.4C81E+C0	2.4546E+00	2.6981E+00		3.7304E+C0	3.1160E+00	2.6981E+00	2.4546E+30	2.4081E+00	
RHO Ū	1.8490E+00 2.3299E+00	1.8686E+00 2.3280E+00	1.9799E+00 2.3218E+00		2.4455E+00 2.3089E+00	2.1719E+00 2.3145E+00	1.9799E+00 2.3219E+00	1.8686E+00 2.3280E+00	1.8490E+00 2.3299E+00	
, v		-7.1094E-02		-6.9873E-C2			-6.8683E-02	-7.1094E-02	-7.2214E-02	
W	0.	-6.7059E-02	-1.1201E-01	-1.1241E-C1	6.1634E-10	1.1241E-01	1.1201E-01	6.7059E-02	0.	
UC .	2.3203E+00		2.3113E+00 2.5429E-01	2.2981E+C0 3.0310E-01	2.2829E+C0 3.5347E-01	2.2981E+00 3.0310E-01	2.3113E+00 2.5429E-01	2.3186E+C0 2.2951E-01	2.3203E+00 2.2346E-C1	
WC.	2.2346E-Q1 3.8327E-16	2.2991E-01 1.3773E-02	3.3328E-02		6.2939E-10	-4-0286E-02	-3.3328E-02	-1.3773E-02	1.8260E-11	
ACC .	2.2346E-01	2.2560E-01	2.4549E-01	2.9568E+01	3,5347E-01	2.9568F-01	2.4549E-01	7.25606-01	2,2346F-C1	
AX ACC	0.	-4.6422E-02	-7.42C3E+02 1.3858E-01	-7.79C1E-02 2.5109E-01	6.1864E-10 3.5347E-01	7.7901E-02 2.5109E-01	7.4203E-02 1.3858E-01	4.6422E-02 5.8489E-02	4.4414E-12	
VÝ.	0. -2-2344F=C1	5.8489E-02	-2.1579E-01		6.1141E-10	1.74498-01	2.1579E-01	2.2277E-01	-2.7617E-11 2.2346E-C1	
VZ	2.3203E+00	2.3186E+00	2.3113E+00	2.29 @1E+CO	2.2829E+00	2.2981E+00	2.3113E+00	2.31865+00	2.3203E+00	
PS INOR .	0. 8.4499E+01	1.4450E+00	3-4313E+00	6.2354E+00 8.5683E+01	8.8014E+00 9.0000E+01	6.2354E+00	3.4313E+C0	1.4450E+00 8.4514E+01	-6.8196E-10	
THETNOR XBAR	0.	8.4514E+01 3.3900E-01	8.4676E+01 6.6300E-01	9.3740E-01	1.G722E+00	8-5683E+01 9-3740E-01	8.4676E+01 6.6300E-01		6.4499E+01 -7.5101E-11	
XBHLD	Ò.	1.3644E-01	5.0038E-01	7.9948E-01	1.0722E+00	7.9948E-01	5.0038E-01	1.3644E-01	-7.5101E-11	
YBAR		-6.8475E-01		-3.4188E-01	-2.1909E-11	3.4188E-01	5.6572E-01	6.8475E-01	7.2413E-01	
YBHLD Eta		-7.0828E-01 2.0458E-02	1.8032E-02	-4.5438E-01 1.3869E-02	-2.1911E-11 1.2321E-02	4.5438E-01 1.3869E-02	6.2546E-01 1.8032E-02	7.08285-01 2.04586-02	7.2413E-C1 2.1593E-02	
Ğ.		-7.8751E-02	-B.2411E-02	-8.5627E-02	-9.16758-02	-8.5627E-02	-8.2411E-02	-7.8751E-02	-7.7503E-02	
DEQNS	6.1150E+00	6.1562E+00	6.3626E+00		7.5817E+CO	6.8144E+00	6.3626E+00	6.15625+00	6.1150E+00	
AM CROSSM	6.9268E+00 2.1459E-01	6.8940E+00 2.8916E-01	6.7556E+00 3.8170E-01	6.5636E+00 3.7472E-C1	6.3430E+00 2.1081E-01	6.5636E+00 3.7472E-01	6.7556E+00 3.8170E-01	6.8940E+00 2.8936E-01	6.9268E+00 2.1459E-C1	
SBAR	1.8312E-02	2.2727E-02	3.6249E-02	5.0719E-02	6.4571F-02	5.0719E-02	3.6249E-02	2.27275-02	1.8312E-02	
POROGAM	1.1367E-C2	1.1417E-02	1.1573E-02	1.1741E-02	1.1905E-02	1.1741E-02	1.1573E-02	1.1417E-02	1.1367E-02	
PT/PTINF PT	9.5525E-C1 1.04C8E+02	9.4477E-01 1.0294F+02	9.1336E-01 9.9520E+01	8.8091E-01 9.5984E+01	0.5093E-01 9.2717E+01	8.8091E-01 9.5984E+01	9.1336E-01 9.9520E+01	9.4477E-01 1.0294E+02	9.5525E-01 1.04C8E+02	
BERNOUL			-6.4880E-C5	2.68C1E-C4	3.7376E-10		-6.4880E-05	-3.2605E-05	1.0406E-09	
DPDZ	-1.6617E-03	-1.5055E-03	-1.2235E-03	-1.8876E-03	-4.7441E-03	-1.8876E-03	-1.2235E-03	-1.5055E-C3	-1.6617E-03	
DADS	-5.1976E-C3	-4.4069E-03	-3.1912E-C3	-2.5369E-03 -2.2120E-01	-3.1534E-03	-2.5369E-03	-3.1912E-03	-4.4069E-03 -2.3254E-01	-5.1976E-C3	
DMD1	-2.3095E-UL	1.81 32F-01	-6.8494F-04	-1.1560E+C2	6.7421E-11	1.1560F-02	6.8495F-04	-1.8132E-03	-2.3043E-01	
OSBDZ	-1.9429E-31	-1.0044E-02	-2.1738E-02	-1.8048E-02	-1.4377E-18	-1.80488-02	-2.1738E-02	-1.0044E-02	1.4274E-25	
PP UP	-1.5278E-15	2.7714E-02	6.6332E-02	1.2699E-01 -1.3450E-C1	-8.8548E-10	-1.2699E-01	-6.6332E-02 1.2952E-01	-2.7714E-02 7.7473E-02	-5.0850E-15	
VP	1.8725F-15	4.0482F-02	2.1471E-02	-9.8823E-02	-2.9201E-08	9.8823F-02	-2-1471F-C2	-4.0482E-02	1-2784F-14	
WP	-1.2713E+00	-1.0732E+00	-5.4329E-01	1.0732E+00	2.3579E+00	1.0732E+00	-5.4329E-01	-1.07225+00	-1.2713E+00	
SBARP	+2.0376E-15	1.7297E-01	2.6608E-01	2.9739E-Cl	-5.2066E-09	-2.9739E-01	-2.6608E-01	-1.7257F-01	-1.1252E-15	
				ZETA= 2.CC						
	I=1	1=2	1=3			I =6	[=7	I=8	I=9	1=10
P	2.7C17E-02	2.7517E-02	1=3 3.0197E-02	ZETA= 2.00 I=4 3.4912E-02	1=5 4.2052E-02	I=6 3.4912E-02	I=7 3.0197E-02	1=8 2.7517E-02	1=9 2.7017E-02	1=10
P/ROASTSQ	2.7C17E-02 1.5035E-01	2.7517E-02 1.5314E-01	1=3 3.0197E-02 1.6805E-01	I=4 3.4912E-02 1.9430E-01	1=5 4.2052E-02 2.3403E-01	I=6 3.4912E-02 1.9430E-01	I=7 3.0197E-02 1.6805E-01	I=8 2.7517E-02 1.5314E-01	1=9 2.7017E-02 1.5035E-01	1=10
P/ROASTSQ P/PTINF	2.7C17E-02 1.5035E-01 2.4795E-C4	2.7517E-02 1.5314E-01 2.5254E-04	1=3 3.0197E-02 1.6805E-01 2.7714E-04	I=4 3.4912E-C2 1.9430E-C1 3.2041E-04	1=5 4.2052E-02 2.3403E-01 3.8594E-04	I=6 3.4912E-02 1.9430E-01 3.2041E-04	I=7 3.0197E-02 1.6805E-01 2.7714E-04	I=8 2.7517E-02 1.5314E-01 2.5254E-04	I=9 2.7017E-02 1.5035E-01 2.4795E-04	I=10
P/ROASTSQ P/PTINF P/PINF RHO	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00	I=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00	ZETA= 2.CO I=4 3.4912E-C2 1.9430E-C1 3.2041E-C4 3.1282E+C0 2.1747E+00	1=5 4.2052E-02 2.3403E-C1 2.8594E-04 3.7678E+C0 2.4630E+00	I=6 3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00	I=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.9727E+00	I=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 1.8559E+00	1=10
P/ROASTSQ P/PTINF P/PINF RHO U	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00	ZETA= 2.C0 1=4 3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122E+C0 2.1747E+00 2.3147E+00	1=5 4.2052E-02 2.3403E-01 3.7678E+00 2.4630E+00 2.3091E+00	I=6 3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00	I=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.9727E+00 2.3283E+00	I=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 1.8559E+00 2.3304E+00	I=10
P/ROASTSQ P/PTINF P/PINF RHO U	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+00 -4.8464E-02	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E-00 4.6281E-02	ZETA= 2.CO I=4 3.4912E-C2 1.9430E-C1 3.12041E-C4 3.1202E+CC 2.1747E+00 2.3147E+00 -4.7416E-C2	1=5 4.2052E-02 2.3403E-01 3.8594E-04 3.7678E+00 2.4630E+00 2.3091E+00 -5.2660E-02	I=6 3.4912E-02 1.9430E-01 3.2041E-04 3.1202E+00 2.1747E+00 2.3147E+00 4.7416E-02	1=7 3.0197E-02 1.6805E-C1 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 -4.6281E-02	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.9727E+00 2.3283E+00 -4.7752E-02	I=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 1.8559E+00 -4.8464E-02	1=10
P/ROASTSQ P/PTINF P/PINF RHO U	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E-00 4.6281E-02	ZETA= 2.C0 1=4 3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122E+C0 2.1747E+00 2.3147E+00	1=5 4.2052E-02 2.3403E-01 3.7678E+00 2.4630E+00 2.3091E+00	I=6 3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00	I=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.9727E+00 2.3283E+00	I=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 1.8559E+00 2.3304E+00	I=10
P/ROASTSQ P/PTINE P/PINE RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+C0 -4.8464E-02 0. 2.3194E+00 2.3C39E-01	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 -6.7121E-02 2.3176E+00 2.3731E-01	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3100E+00 2.3100E+00	ZETA= 2.C0 1=4 3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122ZE+C6 2.1747E+00 2.3147E+00 4.7416E-C2 -1.1119E-01 2.2960E+00 3.1468E-01	1=5 4.2052E-02 2.3403E-C1 2.8594E-04 3.7676E+C0 2.4630E+C0 2.3091E+00 5.2660E-02 5.9426E-10 2.2803E+00	1=6 3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.3147E+00 2.3147E+00 2.3147E-01 2.2960E+00 3.1468E-01	I=7 3.0197E-02 1.6805E-C1 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 4.6281E-02 1.1174E-01 2.3100E+00 2.6223E-01	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 1.9727E+00 2.3282E+00 4.7752E-02 4.7121E-02 2.3176E+00 2.3371E-01	I=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 1.8559E+00 2.3304E+00 -0.3194E+00 2.3039E-01	1=10
P/ROASTSQ P/PTINE P/PINE P/PINE U U V W UC VC WC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+C0 -4.8464E-02 0. 2.3194E+00 3.039E-01	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 -6.7121E-02 2.3176E+00 2.3731E-01 1.3705E-02	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 -3.220E+00 -4.6281E-02 -1.1174E-01 2.3100E+00 2.6263E-01 3.3580E-02	ZETA= 2.C0 1=4 3.4912E-C2 1.9430E-C1 3.1222E+CC 2.1747E+00 -4.7416E-C2 -1.1119E-01 2.2960E+00 3.1468E-01 4.1482E-C2	1=5 4.2052E-02 2.3403E-C1 2.8594E-04 3.7678E+C0 2.4630E+C0 2.3091E+00 5.2660E-02 5.9426E-10 2.2803E+00 3.6786E-01 6.C731E-10	1=6 3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.3147E+00 4.7416E-02 1.1119E-01 2.2960E+00 3.1468E-01-4.1482E-02	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057F+00 1.9801E+00 2.3220E+00 -4.6281E-02 1.1174E-01 2.3100E+00 2.6263E-01 3.3580E-02	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655F+00 1.9727E+00 -3.282E+00 -4.7752E-02 2.3176E+00 2.3771E-01	I=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 1.8559E+00 2.3304E+00 -4.8464E-02 0- 2.3194E+00 2.3039E-01 1.8259E-11	1=10
P/ROASTSQ P/PTINE P/PINE RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+C0 -4.8464E-02 0. 2.3194E+00 2.3C39E-01	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 -6.7121E-02 2.3176E+00 2.3731E-01 1.3705E-02 2.3203E-01	1=3 3.0197E-02 1.6805E-01 2.7714E-04 1.9801E+00 2.3220E+00 -4.6281E-02 -1.1174E-01 2.3206E+00 2.623E-01 3.3580E-02 2.5187E-01 8.1638E-02	ZETA= 2.C01 1=4 3.4912E-C2 1.9430E-C1 3.2041E-C4 3.1222E-C2 2.1747E+00 -4.7416E-C2 -1.1119E-O1 3.1468E-O1 4.1482E-C2 3.0599E-O1 8.4344E-C2	1=5 4.2052E-02 2.3403E-01 2.8594E-04 3.7678E-04 2.3001E+00 -5.2660E-02 5.2660E-02 3.6786E-01 3.6786E-01 3.6786E-01	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1202E+00 2.1747E+00 2.3147E+00 4.7416E-02 1.1119E-01 3.1468E-01 3.1468E-02 3.0599E-01 3.4344E-02	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 0.3220E+00 -4.6281E-02 1.1174E-01 2.3100E+00 2.6263E-01 3.3580E-02 2.5187E-01 8.1638E-02	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 1.9727E+00 2.3282E+00 4.7752E-02 4.7121E-02 2.3176E+00 2.3371E-01	I=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 1.8559E+00 2.3304E+00 -0.3194E+00 2.3039E-01	1=10
P/ROASTSQ P/PTINE P/PINE RHD U V W UC VC WC VC WC VCC WC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+00 2.3194E+00 2.3C39E-01 3.9515E-16 2.3039E-C1 0.	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 -6.7121E-02 2.3176E+00 2.3731E-01 1.3705E-02 2.3203E-01 -5.1633E-02 5.9869F-02	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 -4.6281E-02 2.3100E+00 2.353E-01 3.3580E-C2 2.5187E-01 -8.1638E-02 1.4237E-01	ZETA= 2.00 1=4 3.4912E-02 1.9430E-01 3.2041E-04 3.122E+06 0.21747E-00 -4.7416E-02 2.1179E-01 2.2960E-00 3.1468E-01 4.1402E-02 3.0599E-01 -8.4344E-02	1=5 4.2052E-02 2.3403E-04 3.7678E-00 2.4630E-00 2.4630E-00 2.3091E-00 -5.2660E-02 2.2093E-00 6.C731E-10 3.6786E-01 5.9587E-10 3.6786E-10	1=6 3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E-00 2.3147E-01 2.2960E-00 3.1468E-01 4.1482E-02 3.0599E-01 8.4344E-02	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E-00 -4.6261E-02 2.3100E-00 2.6263E-01 -3.3580E-02 2.5187E-01 8.1638E-02 1.4237E-01	1=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.9727E+00 2.3283E+00 -4.7752E-02 2.3176E+01 -1.3705E-02 2.3203E-01 5.1633E-02 5.1633E-05 5.1633E-05	I=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4201F+00 1.8559E-04 2.3304E+00 -4.8404E-02 0. 2.3194E+00 1.8259E-71 1.8259E-71 2.3039E-01 3.1588E-12 2.7906E-11	1=10
P/ROASTSQ P/PTINE P/PINE P/PINE RHO U V W UC VC VC WCC WCC WCC VCC WCC	2.7C17E-02 1.5035E-01 2.4795E-02 2.4207E+00 1.8559E+00 2.3304E+00 0. 2.3194E+00 2.3239E-01 3.9515E-16 2.3039E-01 0.	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E-00 2.3283E+00 -4.7752E-02 -6.7121E-02 2.3176E+00 2.3731E-01 1.3705E-02 5.3203E-01 -5.1633E-02 5.9869E-02 2.3304E-01	1-3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 -4.6281E-02 2.3100E+00 1.6245E-01 3.3580E-C2 2.5187E-01 8.1638E-02 1.4237E-01 2.3246E-02	ZETA= 2.00 1=4 3.4912E-02 1.9430E-01 3.2041E-04 3.122E-02 2.1747E+00 2.3147E+00 2.4747E-00 3.1468E-01 3.468E-02 3.0599E-01 2.8468E-02 2.30599E-01 2.4468E-02 2.30599E-01 2.4468E-02 2.1048E-02	1=5 4.2052E-02 2.3403E-C1 2.8594E-04 3.7678E-02 2.490E+00 -5.260E-02 2.3091E+00 -5.260E-02 3.678E-01 6.C731E-10 3.678E-01 3.678E-C1 3.678E-C1	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1202E+00 2.1747E+00 2.3147E+00 4.7416E-02 1.1119E-01 2.2940E+00 3.1540E-01 -4.1402E-02 3.0599E-01 4.4344E-02 2.6045E-01 1.8141E-01	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 -4.6281E-02 2.11174E-01 2.3100E+00 2.6224E-01 -3.3580E-02 2.5187E-C1 8.1638E-02 1.4237E-01	I=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.9727E+00 2.3283E+00 -4.7752E-02 2.3176E+00 2.3771E-01 -1.3705E-02 2.3203E-01 5.1623E-02 5.9865E-02	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3304E+00 2.3394E-01 2.3039E-01 1.8259E-71 2.3039E-02 2.706E-11 2.7006E-11 2.7006E-12	1=10
P/ROASTSQ P/PIINF P/PINF RHO U V W WC WC WC WCC WCC VXC VX VY VZ	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E-00 1.6559E+00 0.3304E+C0 2.3194E+00 2.3239E-01 0.3955E-16 2.3039E-C1 02.3C39E-C1	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 -4.7752E-02 -6.7121E-02 2.3176E+00 2.3731E-01 1.3705E-02 2.3203E-01 -5.1633E-02 2.9869E-02 -2.3004E-01 2.3176E+00	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 -4.6281E-02 2.3100E+00 2.3580E-02 2.3580E-02 2.5187E-01 -8.1638E-01 -2.2324E-01 -2.2324E-01	ZETA= 2.C01 1=4 3.4912E-02 1.9430E-01 3.2041E-04 3.122E-04 2.1747E-00 2.3147E-00 4.7416E-02 2.2960E-00 3.1488E-01 4.1482E-02 2.4045E-01 -8.4344E-02 -1.1119E-01 -2.2960E+00	1=5 4.2052E-02 2.3403E-01 3.8594E-04 3.7678E+00 2.4930E-02 2.4930E-02 2.4930E-03 5.2660E-02 2.2803E-00 6.C731E-10 3.6786E-01 5.9587E-10 5.9587E-10 5.9860E-01 5.9860E-01	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E+00 2.3147E+00 4.7416E-02 2.2960E+00 3.1468E-01 4.1482E-02 2.6045E-01 1.8141E-01 1.2960E+00	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.7320E-00 2.3220E-00 -4.6281E-02 2.3100E-00 2.6253E-01 -3.3580E-02 2.5187E-01 2.1423TE-01 2.2324E-01 2.3326E-02	1=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.5727E+00 2.3203E+00 -4.7752E-02 2.3176E+00 2.3373E-01 -1.3705E-02 2.3203E-01 5.1633E-02 2.3203E-01 5.1633E-02 2.3204E-01	I=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4201F+00 1.8559E-04 2.3304E+00 -4.8404E-02 0. 2.3194E+00 1.8259E-71 1.8259E-71 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01	1=10
P/ROASTSO P/PTINF P/PTINF RHO U V W UC VCC VCC VCC VCC VCC VCV VCC VCC VCC	2.7C17E-02 1.5035E-01 2.4795E-01 2.4795E-00 1.6559E-00 2.3304E+00 2.3394E+00 2.3C39E-01 3.9515E-16 2.3039E-01 0. -2.3C39E-01 6.3C39E-01 6.3C39E-01 6.3C39E-01	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 2.3176E+00 2.3373E-01 1.3705E-02 2.3203E-01 -5.1633E-02 2.3204E-01 2.3176E+00 1.4797E+00	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 -4.6281E-02 2.3100E+00 3.3580E-02 2.5187E-01 -8.1638E-02 1.4237E-01 -2.2324E-01 -2.2324E-01 -2.2324E-03 3.5268E+00	ZETA= 2.00 1=4 3.4912E-02 1.9430E-01 3.2041E-04 3.122EE-04 2.1747E+00 2.3147E+00 2.3147E+00 2.3147E-00 3.148E-01 3.148E-01 4.148E-02 2.960E+00 6.47416E-00 6.47416E-00 6.474717E+00 6.4717E+00 6.4717E+00 6.4717E+00	1=5 4.2052E-02 2.3403E-01 3.8594E-04 3.7678E+00 2.3001E+00 0.5.260E-02 5.2460E-02 6.C731E-10 3.6786E-01 6.C731E-10 3.6786E-01 5.986E-01 5.986E-01 9.1642E+00 9.1642E+00	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-01 4.1482E-02 3.0599E-01 8.4344E-02 2.6045E-01 1.8141E-01 2.2960E+00 6.4717E+00	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7097E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3230E-01 2.3100E-00 2.6263E-01 -3.3580E-02 2.5187E-01 8.1638E-02 1.4237E-01 2.2324E-01 2.3310E+00 3.5268E+00 3.5268E+00	1=8 2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 1.8727E-00 2.3203E-00 -4.7752E-02 2.3176E-01 2.3273E-01 -1.3705E-02 2.3203E-01 5.1633E-02 2.3203E-01 5.1633E-02 2.3204E-01	I=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4201F+00 1.8559E-04 2.3304E+00 -4.8404E-02 0. 2.3194E+00 1.8259E-71 1.8259E-71 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-04 6.8935E-10 6.8935E-10	1=10
P/ROASTSQ P/PTINF P/PTINF RHO U V W W C VCC WCC VCC WCC VX VX VY VZ PSINOR THETNOR XBAR	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8555E+00 2.3304E+00 4.8464E-02 0.2329E-01 3.9515E-16 2.3039E-C1 0.0 0.2329E-01 0.0 0.3359E-C1 0.0 0.3359E-C1 0.0 0.3359E-C1 0.0 0.3559E-C1	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 1.8727E-00 2.3283E-00 -4.7752E-02 2.3176E-02 2.3731E-01 1.3705E-02 2.3203E-01 -5.1633E-02 2.3203E-01 2.3176E-00 2.3176E-00 0.4333E-01 2.3176E-00	1=3 3.0197E-02 1.0805E-01 2.7714E-04 2.705TE+00 1.9801E+00 2.3220E+00 2.3220E+00 2.6203E-01 2.3100E+00 2.6203E-01 2.3100E+00 2.626E-01 2.3100E+00 3.5268E+00 8.491E+01 6.4793E-01	ZETA= 2.00 1=4 3.4912E-02 1.9430E-01 3.2041E-04 3.122E-02 2.1747E+00 2.3147E+00 3.1468E-01 2.2960E+00 3.1468E-01 4.1482E-02 3.0959E-01 2.2960E+00 6.4717E+00 6.5511E+01 9.1731E-01	1=5 4.2052E-02 2.3403E-01 2.8594E-04 3.7678E+00 2.3091E+00 2.3091E+00 3.3078E-01 3.678E-10 3.678E-10 3.678E-01 3.678E-01 3.678E-01 3.678E-01 3.678E-01 3.678E-01 3.678E-01	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00 3.1468E-01 -4.7416E-02 3.0599E-01 2.2940E+00 2.30599E-01 2.2940E+00 6.4717E+00 8.5511E+01 9.1731E-01	1=7 3.01976-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.4261E-02 1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 2.4237E-01 2.3100E+00 2.5268E+00 8.4491E+01 6.4753E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3176E+01 2.3173E-02 2.3173E-01 2.3173E-01 2.3173E-02 2.3203E-01 2.3176E+00 2.3333E+01 2.3176E+00	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3304E+00 2.3394E-01 2.3039E-01 1.8259E-71 2.3039E-02 2.3194E+00 2.3194E+00 2.3194E+00 2.3194E+00 2.3194E-10 2.4039E-01 2.4039E-01	1=10
P/ROASTSQ P/PTINF P/PINF RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-01 2.4795E-01 1.8559E+00 -4.8464E-02 0.3304E-01 3.9515E-16 2.3039E-01 02.3039E-01 02.3039E-01 8.3234E+00 0.84227E+01	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E-00 2.3238E-00 -4.7752E-02 2.3176E-00 2.3731E-01 1.3705E-02 2.3203E-01 -5.1633E-02 2.3209E-01 2.3176E+00 1.4797E+00 1.4797E+00 1.4338E+01 3.3116E-01 1.0217E-01	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.3220E+01 2.3100E-00 3.3580E-02 2.5187E-01 -8.1638E-02 1.4237E-01 -2.2324E-01 -2.2324E-01 -2.2324E-01 6.4793E-01 6.4793E-01 4.4581E-01	ZETA= 2.00 1=4 3.4912E-02 1.9430E-01 3.2041E-04 3.122ZE-04 3.122ZE-00 2.1747E-00 2.3147E-00 2.3147E-00 3.148E-01 3.148E-01 4.148ZE-02 2.6045E-01 -1.3141E-01 2.2960E-00 6.4717E-00 6.4717E-01 9.731E-01 7.3517E-01	1=5 4.2052E-02 2.3403E-01 3.8594E-04 3.7678E+00 2.3001E+00 5.2640E-02 5.2460E-02 6.C731E-10 3.6786E-01 6.C731E-10 3.6786E-01 5.986E-01 5.986E-01 6.22803E+00 9.1642E+00	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.3147E+00 2.3147E+00 4.7416E-02 1.1119E-01 2.2960E-00 8.4344E-02 2.6045E-01 1.8141E-01 2.2960E+00 6.4717E+00 6.4717E+00	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7097E+00 2.3220E+00 -4.6281E-02 2.3100E+00 2.6263E-01 2.3100E-00 2.6263E-01 -3.3580E-02 2.5187E-01 8.1638E-02 1.4237E-01 2.2324E-01 2.3100E+00 3.5268E+00 3.5268E+00 4.4753E-01 4.4753E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E-00 -4.7752E-02 2.3176E-01 -1.3705E-02 2.3373E-01 5.1633E-02 2.3373E-01 5.1633E-02 2.3304E-01 1.47576±00 1.47576±00	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3304E+00 -4.8464E-02 2.3399E-01 1.8259E-11 2.3039E-01 3.1588E-12 2.3039E-01 2.3039E-01 3.1588E-12 2.3039E-01 3.1588E-17 2.3039E-01 3.1588E-17 3.331E-11	1=10
P/ROASTSQ P/PINF P/PINF NO UU VC WCC WCC WCC WCC WCC WCC WCC WCC WCC	2.7C17E-02 1.5035E-01 2.4795E-01 2.4795E-00 0.5559E+00 0.15559E+00 2.3304E+00 2.329E-01 3.9515E-16 2.3099E-01 0. -2.3C39E-01 0. 8.4227E+01 0. -6.8268E-01	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 2.3176E+00 2.3371E-01 1.3705E-02 2.3203E-01 -5.1633E-02 2.3203E-01 -2.3204E-01 2.3176E+00 1.4797E+00 0.4333E+01 0.4333E+01 0.4333E+01 0.4333E+01 0.4333E+01 0.4333E+01 0.4333E+01 0.4333E+01 0.4333E+01 0.6426E-01	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 -4.6281E-00 2.3220E+00 2.11174E-01 2.3100E-00 3.33580E-02 2.5187E-01 -8.1638E-02 -1.4237E-01 -2.2324E-01 6.4793E-01 6.4793E-01 -5.3435E-01 -5.3435E-01 -5.3435E-01	ZETA= 2.C01 1=4  3.4912E-02 1.9430E-01 3.2041E-04 3.122EE-02 2.1747E+00 2.3147E+00 2.3147E+00 2.3147E+00 3.1486E-01 4.1482E-02 2.6045E-01 -1.8141E-01 2.2960E+00 6.4717E+00 6.4717E+00 6.4717E-01 -3.2391E-01 -3.2391E-01 -3.2391E-01 -4.6620E-01	1=5 4.2052E-02 2.3403E-01 3.7678E-00 3.7678E-00 2.3001E-00 2.3001E-00 2.3001E-00 3.6786E-01 6.C731E-10 3.6786E-01 5.9586E-01 6.C731E-10 2.2803E-800 1.0481E-00 1.0481E-00 -2.0707E-11	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E+00 2.3147E+00 2.3147E-00 3.146E-02 1.1119E-01 3.1468E-01 -4.1462E-02 2.6045E-01 1.8141E-01 1.8141E-01 2.2960E+00 6.4717E+00 9.1713E-01 3.2391E-01 3.2391E-01 3.2391E-01	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7097E+00 1.9801E+00 2.3220E+00 2.3220E+00 2.11174E-01 2.31003E-01 -3.3500E-02 2.5187E-01 8.1638E-02 1.4237E-01 2.2324E-01 2.3100E+00 3.5268E+00 6.4793E-01 5.3435E-01 5.3435E-01 5.3435E-01 6.05738E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 4.7752E-02 2.3176E-02 2.3176E-02 2.3771E-01 -1.3705E-02 2.303E-01 5.1633E-02 2.3004E-01 2.3736+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47576+00 1.47676+00 1.47576+00	I=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3304E+00 -4.8646E-02 -0.2339E-01 1.8259E-11 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 3.1588E-12 2.3039E-01 -7.3331E-11 6.8268E-01	I=10
P/ROASTSO P/PTINF P/PTINF RHO U V W UC VC WCC WCC WCC VX VY VY PSINOR THETNOR XBHL XBHL XBHL XBHL XBHL XBHL XBHL XBHL	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+C0 -4.8464E-02 0. 2.3194E+00 2.3195E-01 0. 0. 0.2359E-01 0. 0. 0. 2.3194E+00 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3176E+00 2.3173E-01 1.3705E-02 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 3.3116E-01 2.3176E+00 3.433E+01 1.4797E+00 6.4333E+01 1.0217E-01 1.0217E-01 1.0217E-01 1.0221F-01	1=3 3.0197E-02 1.4805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.4320E-02 2.1.174E-01 2.3100E+00 2.6263E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 6.4491E+01 6.4793E-01 4.4581E-01 -5.3455E-01 -6.0573E-01 -1.2021E-02	ZETA= 2.00  1=4  3.4912E-02 1.9430E-01 3.2041E-04 3.1222E-02 2.1747E+00 2.3147E+00 3.1468E-01 3.1468E-01 2.3960E+00 3.1468E-01 2.2960E+00 2.30599E-01 2.2960E+00 6.4717E+00 8.5511E+01 7.3517E-01 7.3517E-01 7.3517E-01 7.3517E-01 9.2455E-03	1=5  4.2052E-02 2.3403E-01 2.8594E-02 3.7678E+00 2.3091E+00 2.3091E+00 3.6786E-01	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00 3.1468E-01 -4.1462E-02 3.0599E-01 2.2940E+00 2.30599E-01 2.2940E+00 4.541E-01 2.3959E-01 2.3951E-01 2.3951E-01 4.364E-01 4.3511E-01 4.3511E-01 4.3511E-01 4.3620E-01	1=7  3.01976-02 1.68056-01 2.77146-04 2.70576-00 2.32206-00 2.32206-00 2.462816-02 1.11746-01 2.31006-00 2.6263E-01 2.31006-00 2.51878-01 2.3246-01 2.3246-01 2.3246-01 2.33588-00 0.4753E-01 4.4581E-01 6.4753E-01 6.4753E-01 6.4753E-01 6.4753E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 2.3282E-00 2.3282E-00 2.3176E-02 2.3176E-02 2.3176E-02 2.3203E-01 2.3176E-00 2.3776E-01 2.3176E-00 2.3776E-01 2.3176E-00 2.3176E-01	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3394E-01 2.3394E-02 2.3399E-01 1.8259E-71 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3739E-10 6.4935E-10 6.4935E-10 6.4935E-10 6.8268E-01 6.8268E-01 6.8268E-01	1=10
P/ROASTSQ P/PINF P/PINF P/PINF HU U V WC VC WC	2.7C17E-02 1.5035E-01 2.4795E-01 2.4795E-00 2.3304E+00 0.3304E+00 2.3304E+00 3.954E-01 3.9515E-16 2.3039E-01 0. -2.3039E-01 0. -2.3039E-01 0. -6.824EE-01 1.4395E-02 5.0835E-01	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 2.3176E+00 2.3371E-01 1.3705E-02 2.3203E-01 -5.1633E-02 2.3203E-01 -2.3204E-01 2.3176E+00 1.4797E+00 0.4333E+01 1.0217E-01 -6.4622E-01 1.333E-02	1=3 3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.4.6281E-00 2.1.1174E-01 2.3100E-01 2.3150E-02 2.5187E-01 8.1638E-02 1.4237E-01 -2.2324E-01 -2.2324E-01 -1.4237E-01 -2.354E-01 -2.4368E-02 -6.4793E-01 -6.4793E-01 -5.3435E-01 -5.3435E-01 -5.2021E-02	ZETA= 2.C01 1=4  3.4912E-02 1.9430E-01 3.2041E-04 3.122EE+02 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-01 4.1468E-01 4.1468E-02 3.0599E-01 8.4344E-02 2.0045E-01 -1.8141E-01 9.1731E-01 7.3517E-01 7.3517E-01 9.2459E-03 9.2459E-03	1=5 4.2052E-02 2.3403E-01 3.67678E-00 3.7678E-00 2.3001E-00 2.3001E-00 2.59426E-01 6.C731E-10 3.6786E-01 6.C731E-10 3.6786E-01 6.C731E-10 2.2803E-60 2.3803E-00 1.0481E-60 1.0481E-60 -2.C707E-11 6.2142E-03 5.9472E-02	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E+00 2.3147E+00 2.3147E-00 3.1468E-01 -4.1462E-02 3.0599E-01 3.4344E-02 2.6045E-01 1.8141E-01 2.2960E+00 6.4717E+00 9.1731E-01 3.2391E-01 3.2391E-01 3.2391E-01 3.2391E-01 9.2459E-03	1=7 3.0197E-02 1.6805E-01 2.7714E-04 2.7097E+00 1.9801E+00 2.3220E+00 2.4228E-02 1.1174E-01 2.3100E-02 2.5187E-01 8.1638E-02 1.4237E-01 2.2324E-01 1.4237E-01 2.3100E+00 3.5288E+00 6.4793E-01 5.3435E-01 5.3435E-01 6.0573E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 4.7752E-02 2.3176E-02 2.3176E-02 2.3771E-01 -1.3705E-02 2.3004E-01 5.1633E-02 2.3004E-01 2.3176F-00 1.4757E+00 1.4757E+00 1.4757E+00 1.4757E+01 1.3176F-01 1.432E-01 1.432E-01	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3304E+00 -4.8646E-02 0.2309E-01 1.8259E-11 2.3039E-01	1=10
P/ROASTSO P/PTINF P/PTINF RHO U V W UC VC WCC WCC WCC VX VY VY PSINOR THETNOR XBHL XBHL XBHL XBHL XBHL XBHL XBHL XBHL	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8555E+00 2.3304E+00 2.3304E+00 2.3139E-01 0.3039E-01 0.3039E-01 0.3194E+00 0.3239E-01 0.00 0.3239E-01 0.00 0.3239E-01 0.00 0.3239E-01 0.00 0.3239E-01 0.00 0.3239E-01 0.00 0.3239E-02 0.00 0.3239E-02 0.00 0.3239E-02 0.00 0.3239E-02 0.00 0.3239E-02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3238E+00 2.3238E+00 2.3176E+00 2.3176E+00 2.3173E-01 1.3705E-02 2.3203E-01 2.3176E+00 2.3731E-01 1.3705E-02 2.3203E-01 2.3176E+00 2.3706E-01 2.3176E+00 3.433E-01 1.0217E-01 1.0217E-01 1.0217E-01 1.0221F-01 1.3638E-02 5.466E-02 5.466E-02 5.466E-02	1=3 3.0197E-02 1.4805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.4320E-02 2.1.174E-01 2.3100E+00 2.6263E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 6.4491E+01 6.4793E-01 4.4581E-01 -5.3455E-01 -6.0573E-01 -1.2021E-02	ZETA= 2.CO 1=4 3.4912E-02 1.9430E-04 3.1202E+02 2.1747E+00 2.3147E+00 2.3147E+00 2.3147E+00 3.1468E-01 4.1468E-01 4.1468E-02 2.6045E-01 -1.8141E-01 2.2960E+00 6.4717E+00 6.4717E+00 6.4717E+00 9.251E+01 9.1731E-01 9.2459E-03 9.5519E-01 9.2459E-03 9.55907E-02 6.45717E+00 9.5519E-01 9.2459E-03 9.55907E-02 6.45717E+00 6.55718E+00 6.55718E+00 6.55718E+00	1=5  4.2052E-02 2.3403E-01 2.8594E-02 3.7678E+00 2.3091E+00 2.3091E+00 3.5786E-10 3.6786E-10 3.6786E-01 3.6786E-01 3.6786E-01 3.6786E-01 3.6786E-01 2.2803E+00 9.000E+01 1.0481E+00 1.0481E+00 1.0481E+00 2.2707E-11 -2.0709E-11	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00 3.1468E-01 -4.7416E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3511E-01 7.3517E-01 7.3517E-01 7.3517E-03 6.626E-01 7.3517E-03 6.626E-01 7.3517E-03	1=7  3.01976-02 1.68056-01 2.77146-04 2.70576-00 2.32206-00 2.32206-00 2.462816-02 1.11746-01 2.31006-00 2.6263E-01 2.31006-00 2.51878-01 2.3246-01 2.3246-01 2.3246-01 2.33588-00 0.4753E-01 4.4581E-01 6.4753E-01 6.4753E-01 6.4753E-01 6.4753E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3176E-02 2.3176E-02 2.3176E-02 2.3176E-02 2.3203E-01 2.3176E+00 2.3176E-02 2.3004E-01 2.3176E-00 2.3176E-01	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.43304E+00 2.33304E+00 2.3339E-01 1.8259E-71 2.3039E-01 2.3039E-01 2.3194E+00 2.33194E+00 2.33194E-10 6.8735E-12 -2.7706E-11 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3391E-11	1=10
P/ROASTSQ P/PTINF P/PINF P/PINF RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8555E+00 2.3304E+00 2.3304E+00 2.3139E-01 0. 0.3039E-01 0. 0. 0.2319E-01 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3238E+00 2.3238E+00 2.3238E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 3.3116E-01 1.0217E-01 1.0217E-01 1.0217E-01 1.0217E-01 1.038E-02 5.1668E-02 6.4622E-01 6.7143E-01 1.3638E-02 6.462E-01 6.7143E-01 6.6462E-01 6.6462E-01 6.856E+00 6.8856E+00 6.8856E+00	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3100E+00 2.6263E-01 2.3100E+00 3.3580E-02 2.5187E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.4581E-02 1.4237E-01 2.3100E+00 6.573E-01 1.523E-01 6.573E-01 1.0221E-02 6.573E-01 1.2021E-02 6.573E-01 1.2021E-02 6.1571E+00 6.7453E+00 6.7453E+00 6.7453E+00 6.7453E-01 1.2021E-02 6.1571E+00 6.7453E-01	2FTA= 2.00  1=4  3.4912E-02 1.9430E-01 3.2041E-04 3.1222E+02 2.1747E+00 2.3147E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1531E-01 2.2960E+00 6.5717E+00 6.5511E+01 7.3517E-01	1=5  4.2052E-02 2.3403E-01 3.7678E+01 3.7678E+00 2.3091E+00 2.3091E+00 3.5786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 2.2803E+00 9.000E+01 1.0481E+00	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1202E+00 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-01 -4.1462E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3517E-01 7.3517E-01 7.3517E-01 7.3517E-01 7.3517E-01 7.3517E-00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00	1=7  3.01976-02 1.68056-01 2.77146-04 2.70576-00 2.32206-00 2.32206-00 2.32206-00 2.31006-00 2.62636-01 2.31006+00 2.62636-01 2.31006+00 2.62636-01 2.31006-00 6.47536-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 6.75736-01 6.75736-01 6.75736-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3771E-01 2.3173E-02 2.3173E-02 2.3173E-01 2.3173E-02 2.3203E-01 2.3176E+00 2.3374E-01 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.4304E-01 2.3176E+00 2.4304E-01 2.3176E+00 2.4304E-01 2.3176E+00 2.4304E-01 2.3176E-00 2.300E-01 2.3176E-00 2.300E-01 2.3176E-00 2.300E-01 2.3176E-00 2.300E-01	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3394E-01 2.3394E-02 2.3394E-02 2.3399E-01 1.8259E-71 2.3039E-01 2.3039E-01 2.3794E-02 2.3794E-03 2.3794E	I=10
P/ROASTSQ P/PINF P/PINF P/PINF HO UU VC WCC WCC WCC WCC WCC WCC WCC WCC WCC	2.7C17E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3304E+00 -0.3304E+00 2.3304E+00 2.3539E-01 3.9515E-16 02.3639E-01 02.3639E-01 02.3639E-01 06.8268E-01 1.4.795E-02 5.0833E-02 5.0833E-02 5.0833E-02 5.0833E-02 6.921E+00	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 -4.7752E-02 -6.7121E-02 2.3176E-00 2.3731E-01 1.3705E-02 2.3203E-01 -5.1633E-02 2.3203E-01 -5.1633E-02 2.3203E-01 1.3705E-02 2.3304E-01 1.4707E-00 0.4707E-00 1.4707E-00 0.6.7143E-01 1.0217E-01 1.6.7143E-01 1.3363E-02 6.0229E+00 6.8856E+00 2.4346E-01 2.4072E-02	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.4.6281E-02 -1.1174E-01 2.3100E-02 2.5187E-01 8.1638E-02 2.5187E-01 -2.2324E-01 -2.2324E-01 -2.2324E-01 -1.4237E-01 -2.2324E-01 -1.4237E-01 -2.334E-01 -2.334E-01 -2.334E-01 -2.334E-01 -2.334E-01 -2.334E-01 -2.334E-01 -2.334E-01 -5.3435E-01 -5.3435E-01 -5.3435E-01 -5.3435E-01 -5.4022E-02 6.1571E-00 6.7453E-03 3.5985E-01	ZETA= 2.C01 1=4  3.4912E-02 1.9430E-01 3.2041E-04 3.122EE+02 2.1747E+00 2.3147E+00 2.3147E+00 2.3147E+00 3.1468E-01 4.1468E-02 4.1468E-01 4.1468E-01 2.2960E-01 2.30599E-01 2.3059E-01 -1.8141E-01 -1.731E-01 -3.2391E-01 9.2459E-01	1=5 4.2052E-02 2.3403E-01 3.67678E-00 3.7678E-00 2.3091E-00 2.3091E-00 2.3091E-00 2.3091E-00 2.5-9426E-10 2.2803E-01 3.6786E-01 6.C731E-10 2.2803E-00 1.0481E-00 1.0481E-00 1.0481E-00 -2.C707E-11 9.2142E-03 6.7503E-00 -2.C707E-11 9.2142E-03 6.7503E-00 1.4438E-01 6.4571E-02	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-01 -4.7416E-02 1.119E-01 3.0599E-01 8.4344E-02 2.5065E-01 1.8141E-01 1.8141E-01 1.73517E-01 3.2391E-01 3.2391E-01 3.2391E-01 4.6620E-01 9.2459E-03 5.5590FE-02 6.45117E+00 0.45178E-00 0.45178E-00 0.45178E-00 0.45178E-00 0.45178E-00 0.45178E-00 0.45178E-00	1=7  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 2.4228E-02 1.1174E-01 2.3100E-02 2.5187E-01 8.1638E-02 1.4237E-01 2.2324E-01 1.4237E-01 2.3100E-02 3.5288E+00 6.4753E-01 5.3435E-01 1.2021E-02 6.1571E+00 6.7573E-01 1.2021E-02 6.1571E+00 6.7573E-01 1.2021E-02 6.1571E+00 3.5088E-01 3.8965E-02	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3712E-02 2.3116E-01 2.3711E-01 -1.3705E-02 2.303E-01 5.1653E-02 2.3004E-01 2.3126E-01 2.3126E-01 2.3126E-01 1.375E-02 2.3004E-01 1.475E+00 1.475E+00 1.475E+00 1.475E+00 2.4304E-01 2.3126E-02 2.304E-01 2.3126E-02 2.304E-01 2.3126E-02 2.304E-01 2.3126E-02 2.304E-01 2.3126E-02 2.334E-01 2.343E-01 2.343E-01 2.343E-01 2.343E-01 2.343E-01	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3304E+00 2.3304E+00 2.3399E-01 1.8259E-01 2.3399E-01 6.8268E-01 1.4395E-02 5.9959E+00 6.921E+00 1.4391E-01	I=10
P/ROASTSQ P/PTINF P/PINF P/PINF RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8555E+00 2.3304E+00 2.3304E+00 2.3139E-01 0. 0.3039E-01 0. 0. 0.2319E-01 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3238E+00 2.3238E+00 2.3238E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 3.3116E-01 1.0217E-01 1.0217E-01 1.0217E-01 1.0217E-01 1.038E-02 5.1668E-02 6.4622E-01 6.7143E-01 1.3638E-02 6.462E-01 6.7143E-01 6.6462E-01 6.6462E-01 6.856E+00 6.8856E+00 6.8856E+00	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3100E+00 2.6263E-01 2.3100E+00 3.3580E-02 2.5187E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.4581E-02 1.4237E-01 2.3100E+00 6.573E-01 1.523E-01 6.573E-01 1.0221E-02 6.573E-01 1.2021E-02 6.573E-01 1.2021E-02 6.1571E+00 6.7453E+00 6.7453E+00 6.7453E+00 6.7453E-01 1.2021E-02 6.1571E+00 6.7453E-01	2FTA= 2.00  1=4  3.4912E-02 1.9430E-01 3.2041E-04 3.1222E+02 2.1747E+00 2.3147E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1531E-01 2.2960E+00 6.5717E+00 6.5511E+01 7.3517E-01	1=5  4.2052E-02 2.3403E-01 3.7678E+00 3.7678E+00 2.3091E+00 2.3091E+00 3.5786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 2.2803E+00 9.000E+01 1.0481E+00 1.0481E+00 1.0481E+00 1.0481E+00 2.2707E-11 2.2709E-11 2.2709E-11 2.2709E-10 3.2784E-10 3.4786E-01 3.4786E-01 3.4786E-01 3.4786E-01 3.4786E-01 3.4786E-01 3.4786E-01 3.4786E-01 3.4786E-01	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1202E+00 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-01 -4.1462E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3517E-01 7.3517E-01 7.3517E-01 7.3517E-01 7.3517E-01 7.3517E-00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.4573E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00 6.5538E+00	1=7  3.01976-02 1.68056-01 2.77146-04 2.70576-00 2.32206-00 2.32206-00 2.32206-00 2.31006-00 2.62636-01 2.31006+00 2.62636-01 2.31006+00 2.62636-01 2.31006-00 6.47536-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 4.45816-01 6.75736-01 6.75736-01 6.75736-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3771E-01 2.3173E-02 2.3173E-02 2.3173E-01 2.3173E-02 2.3203E-01 2.3176E+00 2.3374E-01 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.4304E-01 2.3176E+00 2.4304E-01 2.3176E+00 2.4304E-01 2.3176E+00 2.4304E-01 2.3176E-00 2.300E-01 2.3176E-00 2.300E-01 2.3176E-00 2.300E-01 2.3176E-00 2.300E-01	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3394E-01 2.3394E-02 2.3394E-02 2.3399E-01 1.8259E-71 2.3039E-01 2.3039E-01 2.3794E-02 2.3794E-03 2.3794E	I=10
P/ROASTSQ P/PTINF P/PINF P/PINF RHD U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8555E+00 2.3304E+C0 -4.8646E-02 0. 2.3194E+00 2.3195E-16 2.3039E-C1 0. 0. 0. 2.3194E+00 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+01 1.3705E-02 2.3203E-01 2.3176E+00 8.4333E+01 1.4797E+00 8.4333E+01 1.0217E-01 1.025E-02 2.1668E-02 2.1668E-02 2.1668E-02 2.1668E-02 2.1668E-02 2.1668E-02 2.1434E-01 2.1433E-02 2.1434E-01 2.1433E-02 2.1434E-01 2.1433E-02 2.1434E-01 2.1433E-02 2.1434E-01	1=3  3.0197E-02 1.4805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.4.6281E-02 -1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.4581E-01 -5.3453E-01 1.2021E-02 -5.4025E-01 1.2021E-02 -5.4025E-01 3.8965E-02 3.508E-01 3.8965E-02 9.0718E-01 9.8847E+01	2FTA= 2.C00 1=4  3.4912E-C2 1.9430E-C1 3.2041E-C1 3.122E-C2 2.1747E+00 2.3147E+00 3.1468E-01 3.1468E-01 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1531E-01 2.2960E+00 6.4717E+00 8.5511E+C1 7.3517E-01 7.354E-01 7.354E-01	1=5  4.2052E-02 2.3403E-01 3.7678E+01 3.7678E+02 2.3403E+01 2.4630E+02 2.7678E+01 2.3409E+01 3.678E-10 3.678E-10 3.678E-11 3.678E-11 3.678E-01	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00 3.1468E-01 -4.7416E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3511E-01 7.3517E-01 7.3518E-00 7.3518E-00 7.3518E-01 7.3518E-01 7.3518E-01 7.3518E-01	1=7  3.01976-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.4628E-02 1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 8.4491E+01 2.324E-01 2.3358E-02 1.4237E-01 2.3358E-03 1.5268E+00 8.4491E+01 1.53435E-01 4.4581E-01 1.2021E-02 -5.402E-02 -5.402E-02 -5.4753E-01 2.310E+00 6.7473E+01 4.4581E-01 1.2021E-02 -5.402E-02 -1.3435E-01 2.3458E-01 3.4458E-01 2.517E+00 6.7453E+00 6.7453	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3282E+00 2.3282E+00 2.3176E+01 2.3171E-02 2.3173E-01 2.3176E+01 2.3176E+01 2.3176E+02 2.3203E-01 2.3176E+00 2.3203E-01 2.3176E+00 2.3203E-01 2.3176E+00 2.4304E-01 2.3176E+00 2.4304E-01 2.3021F-01 1.0217E-01 1.0217E-01 1.3628E-02 2.4346E-01 2.4072E-02 2.4346E-01 2.4072E-02 2.4346E-01 2.4072E-02 2.4346E-01 2.4072E-02 2.4346E-01 2.4072E-02 2.4346E-01	1=9 2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3394E-01 2.3394E-02 2.3394E-02 2.3399E-01 1.8259E-71 2.3039E-01 2.3039E-01 2.3794E+02 2.3794E+03 2.3394E-01 6.8258E-01 6.835E-12 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3391E-01 6.8268E-01	1=10
P/ROASTSQ P/PINF P/PINF P/PINF NO UU VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.5559E+00 2.3304E+00 -0.3239E-01 3.9515E-16 0.3039E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 02.3C39E-01 03.3C39E-01 03.3C39E-01 03.3C39E-01 03.3C39E-01 03.3C39E-01 1.4395E-02 5.9958E+00 1.4391E-01 1.8312E-02 1.1307E-02 1.1307E-02 1.1307E-02	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 4.7752E-02 6.7121E-02 2.3176E-00 1.3705E-02 2.3209E-01 1.3705E-02 2.3209E-01 1.3705E-02 2.3209E-01 1.3705E-02 1.3116E-01 1.4707E-00 1.4707E-00 1.4707E-00 1.4707E-00 1.4363E-02 2.4346E-01 1.3465E-01 2.4072E-02 1.4435E-02 1.433E-02 1.4472E-02 1.433E-02 1.433E-02 1.4472E-02 1.4433E-02 1.497E-01	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.4220E+00 2.4.6281E-02 -1.1174E-01 2.3100E+00 2.6243E-01 0.2.6243E-01 -8.1638E-02 2.5187E-01 -8.1638E-02 1.4237E-01 -2.2324E-01 -2.2324E-01 -1.2324E-01 -1.4237E-01 -2.334E-01 -1.4237E-01 -2.334E-01 -1.4257E-01 -5.345E-01 -5.345E-01 -5.345E-01 -5.345E-01 -5.345E-01 -5.4022E-02 6.1571E-00 3.598E-01 3.898E-01 3.898E-01 9.8887E-01 9.8887E-01 9.8887E-01 -6.3468E-05	ZETA= 2.CO  1=4  3.4912E-02 1.9430E-04 3.122EE+06 2.1747E+00 2.3147E+00 2.3147E+00 3.147E+00 3.147E+00 3.1468E-01 3.0599E-01 -8.4344E-02 2.0045E-01 -1.8141E-01 2.2960E-0 6.4717E+00 3.1731E-01 9.2459E-03 -3.2391E-01 9.2459E-03 -4.6620E-01 9.2459E-03 -4.179E-01 9.2459E-03 3.4179E-01 9.2459E-03 3.4179E-01 9.2459E-03 3.4179E-01 9.2459E-03 3.4179E-01 9.2459E-03 3.4179E-01 9.2459E-03	1=5 4.2052E-02 2.3403E-01 3.6798E-04 3.7678E+00 2.3091E+00 2.3091E+00 0.3.091E+00 0.3.091E+00 0.3.6786E-01 6.C731E-01 6.C	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-01 -4.7416E-02 1.119E-01 2.2960E+00 3.1468E-01 -4.1402E-01 -5.5907E-02 6.4517E+00 3.4179E-01 3.2391E-01 5.5907E-02 6.4517Fe00 3.4179E-01 5.2803E-02 1.1766E-02 8.7634E-01 9.5468E+01 9.443E-01	1=7  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 2.3220E+00 2.46281E-02 1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 2.6263E-01 2.3158E-01 2.324E-01 2.3158E-01 2.3158E-01 5.3458E-01 1.2021E-02 6.1571E+00 2.5088E-01 1.8965E-02 1.1604E-02 9.0718E-01 9.8847E-01 9.8847E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3718E-02 2.3171E-02 2.3771E-01 1.3705E-01 2.3203E-01 5.1633E-02 2.3203E-01 5.1633E-02 2.3204E-01 1.4775E-00 1.4775E-00 1.475E-01 2.3176E-01 1.3705E-02 2.3004E-01 1.475E-00 2.4338E-02 2.3176E-01 2.3176E-01 2.4072E-01 2.4072E-01 2.4072E-01 2.4072E-01 2.4072E-01 2.4072E-01 2.4072E-01 2.4072E-01	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207E+00 2.3304E+00 2.3304E+00 2.3039E-01 1.8259E-11 2.3039E-01 2.3039E-01 3.1588E-12 2.3039E-01 3.1588E-12 2.3039E-01 1.4395E-02 5.7036E-11 6.8268E-01 1.4395E-02 5.9958E+00 6.9211E+00 6.9211E+00 1.4391E-01 1.4391E-02 1.1307E-02 1.1307E-02 1.1307E-02	1=10
P/ROASTSQ P/PTINF P/PINF P/PINF RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8555E+00 2.3304E+00 2.3304E+00 2.3139E-01 2.3139E-01 0. 0. 0. 2.3139E-01 0. 0. 0. 2.3139E-01 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3238E+00 2.3238E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.3176E+00 2.4326E-01 2.3176E+00 6.4622E-01 6.7143E-01 1.0221F-01 1.3638E-02 6.4622E-01 6.7143E-01 1.3638E-02 6.1666E-02 6.4626E-02 6.4626E-02 6.1438E-02 9.4159E-01 2.407E-02 9.4159E-01	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3100E+00 2.6263E-01 2.3100E+00 3.3580E-02 2.5187E-01 2.3100E+00 3.5268E+00 6.4491E+01 1.53453E-01 1.5245E-01 1.5245E-01 2.3120E-02 2.5146E-02 3.5268E+00 6.4793E-01 4.4581E-01 1.2021E-02 5.4025E-02 6.7573E-01 1.2021E-02 9.0718E-01 3.8965E-02 9.0718E-01 9.8847E+01 6.3488E-05 9.8847E+01 6.3488E-05	2FTA= 2.C00 1=4  3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122EE-C5 2.1747E+00 2.3147E+00 3.1468E-O1 3.1468E-O1 2.2960E+00 3.1468E-O1 2.2960E+00 3.1468E-O1 2.2960E+00 3.1468E-O1 2.2960E+00 3.5511E+C1 2.2960E+00 6.5511E+C1 7.3517E-O1 7.3508E-O2 8.7634E-O1 7.5680E-O2 8.7634E-O1 7.5680E-O2 8.7634E-O1 7.5680E-O2 8.7634E-O1 7.5680E-O2 8.7634E-O1 8.7634E-O1	1=5  4.2052E-02 2.3403E-01 2.8594E-04 3.7678E+00 2.3091E+00 2.3091E+00 2.3091E+00 3.6786E-01 3.6786E-01 3.6786E-01 3.6786E-01 3.6786E-01 2.2803E+00 2.2803E+00 2.2803E-00 2.2803E-00 2.2803E-00 2.2803E-00 2.2803E-00 1.0481E+00 1.0481	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-01 -4.7416E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3517E-01 7.3518E-00 7.3517E-01 7.3518E-00	1=7  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.46261E-02 1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 8.4491E+01 2.324E-01 2.3358E-02 1.4237E-01 2.3358E-02 1.4237E-01 2.3358E-02 1.4237E-01 2.3358E-02 2.4753E-01 4.4581E-01 1.2021E-02 -5.402E-02 -5.402E-02 -5.171E+00 6.7453E+00 1.2021E-02 -5.402E-02 -5.402E-02 -5.402E-02 -5.402E-02 -5.402E-02 -5.402E-02 -5.402E-02 -7.718E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3731E-01 2.3173E-02 2.3173E-02 2.3173E-01 2.3173E-02 2.3173E-01 2.3175E-02 2.3203E-01 2.3176E+00 2.3375E-01 2.3176E+00 2.4326E-01 2.3176E+00 2.4326E-01 2.436E-01	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3394E-01 2.3394E-02 2.3394E-02 2.3399E-01 1.8259E-71 2.3039E-01 2.3039E-01 2.3039E-01 2.3194E+00 2.33194E+00 2.33194E+00 2.33194E-10 6.4935E-10 6.4935E-10 6.4935E-10 6.4935E-01 6.4935E-01 6.4935E-01 6.4935E-01 6.4936E-01	1=10
P/ROASTSQ P/PTINF P/PINF P/PINF RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8555E+00 2.3304E+00 2.3304E+00 2.3194E+00 2.3195E-16 2.3039E-C1 0. 0. 0. 2.3194E+00 0. 0. 2.3194E+00 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3238E+00 2.3238E+00 2.3176E+00 3.3116E-01 1.0217E-01 1.0217E-01 1.0227E-01 1.0247E-02 2.1066E-02 2.4346E-01 2.407E-02 2.4159E-01 2.4159E-01 2.4159E-01 2.4159E-01 2.4159E-01 2.48721E-05 2.4810E-03 2.4346E-01 2.48721E-05 2.4810E-03	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.46281E-02 -1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.4581E-02 -1.4581E-02 -1.4581E-02 -1.4581E-02 -1.4581E-03 -1.4581E-03 -1.4581E-03 -1.4581E-03 -1.4581E-01	2FTA= 2.C00 1=4  3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122EE-C6 2.1747E+00 2.3147E+00 3.1468E-01 2.2940E+00 3.1468E-01 2.2940E+00 3.1468E-01 2.2940E+00 3.1468E-01 2.2940E+00 3.5511E+C1 2.2940E+00 6.5511E+C1 7.3517E-01 7.35317E-01	1=5  4.2052E-02 2.3403E-01 3.7678E+00 3.7678E+00 2.3091E+00 2.3091E+00 3.5786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-11 3.6786E-11 3.6786E-11 3.6786E-11 3.6786E-11 2.2803E+00 9.000E+01 1.0481E+00 1.0481E	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1202E+00 2.1747E+00 2.3147E+00 3.1468E-01 -4.7416E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3517E-01 7.3538E+00	1=7  3.01976-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.4263E-01 2.3100E+00 2.6263E-01 2.3100E+00 2.5263E-01 2.3100E+00 3.5268E+00 8.4491E+01 2.324E-01 2.3358E-02 1.4237E-01 2.3358E-02 1.4237E-01 2.3358E-02 2.5187E-C1 2.3100E+00 8.4491E+01 2.324E-01 2.3358E-01 4.4531E-01 1.2021E-02 -5.4022E-02 -5.4022E-02 -1.7453E+00 2.5088E-01 3.8965E-02 9.0718E-01 9.8847E+01 -6.3467E-05 4.6299E-04 -9.7272E-04	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3176E-02 2.3176E-02 2.3176E-02 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-00 2.3203E-01 2.3176E-00 2.436E-01 2.300E-01 1.0217E-01 2.4072E-02 2.4145E-01 2.4072E-02 2.4145E-01 2.4072E-02 5.4159E-01	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3394E-01 2.3394E-02 2.3394E-02 2.3399E-01 1.8259E-71 2.3039E-01 2.3039E-01 2.3194E+00 2.33194E+00 2.33194E-10 6.4239E-11 7.3331E-11 7.3331E-11 7.3331E-11 7.3331E-11 7.3331E-11 6.8268E-01	1=10
P/ROASTSQ P/PINF P/PINF P/PINF HHO U UC VC WCC WCC WCC WCC WCC WCC WCC WCC WCC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.5559E+00 2.3304E+00 -4.3664E-02 0.3039E-01 3.9519E-16 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 0.3039E-01 1.4395E-02 5.9958E+00 1.4391E-01 1.8312E-01 1.8312E-01 1.9525E-01 1.04C8E+02 9.5525E-01 1.04C8E+02 9.11398E-03 3.4882E-03	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 1.8727E+00 2.3283E+00 2.3283E+00 2.3128E-02 2.3176E-02 2.3176E-02 2.3176E-02 2.3203E-01 1.3705E-02 2.3203E-01 1.3705E-02 2.3203E-01 1.3705E-02 2.3233E-01 1.3705E-02 2.3326E-01 1.3705E-02 2.3373E-01 1.3705E-02 2.3373E-01 1.3705E-02 2.3373E-01 1.3705E-02 2.3373E-01 1.3705E-02 2.3376E-01 1.4707E-00 1.4707E-00 2.4346E-01 1.433E-02 2.4472E-02 1.1433E-02 2.4472E-02 1.1433E-02 2.4572E-03 2	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.4.6281E-02 -1.1174E-01 2.3100E+00 2.6243E-01 -8.1638E-02 2.5187E-01 -8.1638E-02 3.528E-00 3.5288E-00 3.4491E-01 -5.345E-01 1.2021E-02 6.1573E-01 9.8847E-01 1.2021E-02 1.604E-02 1.63468E-05 -4.629E-04 -2.2611E-01	ZETA= 2.CO  1=4  3.4912E-02 1.9430E-04 3.122EFCC 2.1747E+00 2.3147E+00 2.3147E+00 3.147E+00 3.147E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.1468E-01 2.2960E+00 3.147E-00 2.3045E-01 -1.8141E-01 7.3517E-01 -3.2391E-01 9.2459E-03 3.4179E-01 9.2459E-03 3.4179E-01 9.5498E+01 9.5498E+01 3.4748E-04 8.0001E-04 8.0001E-04 8.0001E-04 -8.0347E-04 -2.2821E-01	1=5  4.2052E-02 2.3403E-01 3.6796E-04 3.7678E+00 2.3699E-00 2.3691E-00 2.3691E-00 3.6786E-01	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E-00 2.1747E-00 2.3147E-00 2.3147E-00 3.1468E-01 2.2940E-00 3.1468E-01 1.8148E-01 1.8141E-01	1=7  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.46281E-02 1.1174E-01 2.6243E-01 2.3100E+00 2.6243E-01 2.3100E+00 2.6243E-01 2.3100E+00 3.5284E-00 3.5288E-00 3.44591E-01 5.3415E-01 1.2021E-02 6.1571E+00 2.5088E-01 1.8945E-02 1.1604E-02 9.8847E-01 9.8847E-01 9.8847E-01 -6.3447E-05 -4.6239E-04 -7.272E-04 -2.2611E-01 -5.5751E-03	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3718E-01 2.3718E-01 2.3718E-01 2.3718E-01 2.3718E-01 2.3708E-02 2.3004E-01 1.3705E-02 2.3004E-01 1.4757E-00 2.3176F-00 1.4757E-00 2.4316E-01 2.3176F-00 1.4757E-00 2.4368E-01 2.7143E-01 1.3638E-02 2.4072E-01 2.4072E-01 2.4072E-01 2.4072E-02 2.4072E-02 2.4072E-02 2.4072E-02 2.4072E-02 2.4072E-02 2.4346E-01 1.020E-02 2.4346E-01 1.020E-02 2.4346E-01 2.4072E-02 2.4346E-01	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F-00 2.3304E-00 2.3304E-00 2.3039E-01 1.8259E-11 2.3039E-01 3.1586E-12 2.7006E-11 2.3039E-01 3.1586E-17 2.3039E-01 1.8259E-11 6.8268E-01 1.4395E-02 5.9959E+00 1.4395E-02 1.1307E-02	1=10
P/ROASTSQ P/PTINF P/PINF P/PINF RHD U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+00 2.3304E+00 2.339E-01 0. 0.3039E-01 0. 0. 0. 2.3194E+00 0. 0. 0. 2.3194E+00 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3283E+00 2.3283E+00 2.3176E+00 2.3203E-01 2.3176E+00 3.4316E-01 1.0217E-01 1.0217E-01 1.0247E-02 4.8738E-02 -5.1668E-02 6.8856E+00 6.8856E+00 6.8856E+00 6.8856E+00 6.8856E+00 6.8256E-02 6.11433E-01 2.407E-02 9.4159E-01 1.0250E+02 -4.8721E-05 9.2084E-04 -2.3410E-03 -2.3451E-01 -1.1671E-03	1=3  3.0197E-02 1.4805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.4628E-02 -1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.458E-02 1.4237E-01 2.3150E+00 6.4793E-01 4.458E-02 6.4573E-01 4.558E+00 6.4793E-01 4.458E-02 6.7573E-01 6.973E-01	2FTA= 2.C00 1=4  3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122EE-C5 2.1747E+00 2.3147E+00 3.1468E-O1 2.2940E+00 3.1468E-O1 2.2940E+00 3.1468E-O1 2.2940E+00 3.1468E-O1 2.2940E+00 3.1531E-O1 2.2940E+00 6.5511E+C1 7.3517E-O1 7.35317E-O1 7.35317	1=5  4.2052E-02 2.3403E-01 3.7678E+00 3.7678E+00 2.3091E+00 2.3091E+00 2.3091E+00 3.6786E-01 3.6786E-01 3.6786E-01 3.6786E-01 3.6786E-01 3.6786E-01 2.2803E+00 2.2803E+00 2.2803E+00 2.2803E+00 2.2803E+00 2.2803E+00 2.2803E+00 1.0481E+00 1.0481	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1747E+00 2.3147E+00 3.1468E-01 -4.7416E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3517E-01 7.3531E-01	1=7  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.4628E-02 1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 8.4691E-02 1.4237E-01 2.3358E-02 1.4237E-01 2.3358E-02 1.4237E-01 2.3358E-02 1.4237E-01 2.3358E-02 2.4753E-01 4.4581E-01 1.2021E-02 -5.402E-02 -5.402E-02 -1.7453E-00 2.5088E-01 2.8965E-02 9.0718E-01 9.8847E-01 -6.3467E-05 -4.6239E-04 -9.7272E-04	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 2.3283E-00 2.3283E-00 2.3176E-02 2.3176E-02 2.3176E-02 2.3176E-01 2.3176E-01 2.3176E-02 2.3203E-01 2.3176E-00 2.3203E-01 2.3176E-00 2.3203E-01 2.3176E-00 2.436E-01 2.302E-01 2.302E-01 2.302E-01 2.302E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.436E-02 2.436E-01 2.4072E-02 2.4346E-01	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3394E-01 2.3394E-00 2.3394E-01 2.3039E-01 1.8259E-71 2.3039E-01 2.3194E+00 2.3394E-01 6.8258E-01 6.835E-01 6.835E-01 6.8268E-01 6.8312E-02 7.3331E-11 7.3331E-11 7.3391E-11 7.3391E-11 7.3391E-11 7.3391E-01 7.3391E-01 7.3391E-01 7.3391E-01 7.3391E-01	I=10
P/ROASTSQ P/PTINF P/PINF P/PINF RHO U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+00 2.3304E+00 2.3139E-01 2.3139E-01 0. 0. 0. 2.3139E-01 0. 0. 0. 2.3139E-01 0. 0. 0. 0. 8.4227E+01 0. 0. 0. 0. 1.4395E-02 5.0835E-06 6.921E+00 6.921E+00 6.921E+00 6.921E-00 6.921E-00 6.921E-01 7.936E-01 1.04C6E+02 1.04C6E+0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 2.3238E-00 2.3238E-00 2.3176E-02 2.3176E-02 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.303E-01 2.3176E-02 2.303E-01 2.3176E-02 2.306E-02 2.306E-01 2.3176E-02 2.4346E-01 2.407E-02 9.4159E-01 2.407E-02 9.4169E-02 4.8721E-05 9.2084E-04 2.3410E-03 2.3451E-01 -1.1671E-03	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3100E+00 2.6263E-01 2.3100E+00 3.3580E-02 2.5187E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.4581E-02 1.4237E-01 2.3120E+00 3.5268E+00 6.4793E-01 4.4581E-01 1.2021E-02 -5.4025E-02 -6.0573E-01 1.2021E-02 -5.4025E-02 -7.718E-01 3.8965E-02 9.0718E-01 9.8847E+01 -6.3468E-05 9.0718E-01 9.8847E+01 -6.3468E-05 9.0718E-01 -6.3751E-00 9.7718E-01 -6.3751E-03 3.8965E-02 9.0718E-01 -6.3751E-03 3.8965E-02 9.0718E-01 -6.3751E-03 3.8965E-02 9.0718E-01 -6.3751E-03 3.8162E-02 -6.087E-02	2FTA= 2.C00 1=4  3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122EE-C5 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-C1 2.2960E+00 3.1468E-C1 2.2960E+00 3.1468E-C1 2.2960E+00 3.1468E-C1 2.2960E+00 3.1531E-C1 2.2960E+00 6.5717E+00 6.5511E+C1 7.3517E-O1 7.35317E-O1	1=5  4.2052E-02 2.3403E-01 2.8594E-04 3.7678E+00 2.3091E+00 2.3091E+00 2.3091E+00 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 2.2803E+00 9.000E+01 1.0481E+00 2.21709E-11 2.0126E-03 2.1628E-03	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.3147E+00 2.3147E+00 3.1468E-01 2.3940E+00 3.1468E-01 2.3940E+00 3.1468E-01 3.6940E+00 3.1468E-01 3.6940E+00 3.4741E-00 6.4711E-00 6.4711E-01 6.4811E-01 6.4811E-01 6.4811E-01	1=7  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 1.9801E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.6263E-01 2.3100E+00 2.6263E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.3286E-00 3.5286E-00 3.5288E-00 3.5288E-00 1.4237E-01 2.3100E+00 3.5288E-00 3.5288E-00 3.5288E-00 1.2021E-02 6.1573E-01 3.8965E-02 1.1604E-02 9.8847E-01 9.8847E-01 9.8847E-01 9.8847E-01 9.8847E-01 9.6347E-05 4.6239E-04 2.2011E-02 9.7727E-04 2.2011E-01 9.7727E-04	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3282E+00 2.3282E+00 2.3716E-01 2.3716E-01 2.3716E-01 2.3716E-01 2.3716E-01 2.3716E-01 2.3716E-01 2.3716E-01 2.3176E-02 2.3004E-01 1.4757E-00 1.4757E-00 2.4304E-01 1.4757E-00 2.4304E-01 1.0217E-01 2.4072E-02 2.4072E-02 1.4473E-01 1.0229E-00 2.4346E-01 1.0229E-00 1.1473E-02 1.1473E-02 1.1473E-02 1.1473E-03 1.1473E-01 1.1671E-03	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3304E+00 2.3304E+00 2.3399E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3194E+00 -6.8735E-10 -7.3731E-11 6.8268E-01 1.4395E-02 5.9959E+00 6.9211E+00 1.4391E-01 1.8312E-02 1.1507E-02 1.1507E-02 1.1507E-02 1.1507E-02 1.1507E-02	I=10
P/ROASTSQ P/PINF P/PINF P/PINF RHO U UC VC WCC WCC WCC WCC WCC WCC WCC WCC WCC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+00 2.3304E+00 2.3139E-01 2.3139E-01 0. 0. 0. 2.3139E-01 0. 0. 0. 2.3139E-01 0. 0. 0. 0. 8.4227E+01 0. 0. 0. 0. 1.4395E-02 5.0835E-06 6.921E+00 6.921E+00 6.921E+00 6.921E-00 6.921E-00 6.921E-01 7.936E-01 1.04C6E+02 1.04C6E+0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E-00 2.3238E-00 2.3238E-00 2.3176E-02 2.3176E-02 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.3203E-01 2.3176E-02 2.303E-01 2.3176E-02 2.303E-01 2.3176E-02 2.306E-02 2.306E-01 2.3176E-02 2.4346E-01 2.407E-02 9.4159E-01 2.407E-02 9.4169E-02 4.8721E-05 9.2084E-04 2.3410E-03 2.3451E-01 -1.1671E-03	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3100E+00 2.6263E-01 2.3100E+00 3.3580E-02 2.5187E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.4581E-02 1.4237E-01 2.3120E+00 3.5268E+00 6.4793E-01 4.4581E-01 1.2021E-02 -5.4025E-02 -6.0573E-01 1.2021E-02 -5.4025E-02 -7.718E-01 3.8965E-02 9.0718E-01 9.8847E+01 -6.3468E-05 9.0718E-01 9.8847E+01 -6.3468E-05 9.0718E-01 -6.3751E-00 9.7718E-01 -6.3751E-03 3.8965E-02 9.0718E-01 -6.3751E-03 3.8965E-02 9.0718E-01 -6.3751E-03 3.8965E-02 9.0718E-01 -6.3751E-03 3.8162E-02 -6.087E-02	2FTA= 2.C00 1=4  3.4912E-C2 1.9430E-C1 3.2041E-C4 3.122EE-C5 2.1747E+00 2.3147E+00 2.3147E+00 3.1468E-C1 2.2960E+00 3.1468E-C1 2.2960E+00 3.1468E-C1 2.2960E+00 3.1468E-C1 2.2960E+00 3.1531E-C1 2.2960E+00 6.5717E+00 6.5511E+C1 7.3517E-O1 7.35317E-O1	1=5  4.2052E-02 2.3403E-01 2.8594E-04 3.7678E+00 2.3091E+00 2.3091E+00 2.3091E+00 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 2.2803E+00 9.000E+01 1.0481E+00 2.21709E-11 2.0126E-03 2.1628E-03	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1282E+00 2.1147E+00 2.3147E+00 2.3147E+00 3.1468E-01 2.2940E+00 3.1468E-01 2.3059E-01 1.8141E-01 2.4045E-01 2.4045E-01 1.8141E-01 3.2331E-01	1=7  3.0197E-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.6243E-01 2.3100E+00 2.6243E-01 2.3100E+00 2.6243E-01 2.3100E+00 2.6243E-01 2.3100E+00 3.3286E-00 3.5286E-00 3.5288E-00 4.4751E-01 5.3451E-01 5.3451E-01 5.3451E-01 5.3451E-01 6.0573E-01 6.1571E-00 3.5088E-01 1.2021E-02 6.1571E-00 3.5088E-01 1.604E-02 9.8847E-01 1.604E-02 9.8847E-01 5.3451E-01 5.3451E-01 5.3451E-01 5.351E-01 9.8847E-01 1.55751E-03 3.4182E-02 1.3182E-01 1.5182E-01 2.6.6087E-02 1.138E-01	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3282E+00 2.3282E+00 2.371E-01 2.371E-01 2.371E-01 2.371E-01 2.371E-01 2.371E-01 2.373E-02 2.3004E-01 1.3705E-02 2.3004E-01 1.4757E-00 2.371E-01 2.3176E-01 2.4072E-02 2.3451E-01 1.1671E-03 -1.8108E-02 2.720E-02 2.720E-02 2.720E-02 2.720E-02 2.720E-02	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3304E+00 2.3304E+00 2.3309E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3039E-01 2.3154E-12 -2.7906E-11 2.3039E-01 -1.3731E-11 6.8268E-01 1.4395E-02 5.9959E+00 6.9211E+00 1.4391E-01 1.8312E-02 1.1307E-02 1.1307E-03 1.4982E-03 -3.4982E-03 -3.4982E-03 -3.4982E-03 -3.4982E-03 -3.4982E-03 -3.4982E-03	I=10
P/ROASTSQ P/PTINF P/PINF P/PINF P/PINF HD U V W UC VC	2.7C17E-02 1.5035E-01 2.4795E-C4 2.4207E+00 1.8559E+00 2.3304E+00 2.3304E+00 2.3396E-01 6.3039E-01 0.0 0.3194E+00 0.3194E+00 0.3194E+00 0.0 0.3194E+00 0.0 0.3194E+00 0.0 0.3194E+00 0.0 0.3194E+00 0.0 0.3194E+0	2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3238E+00 2.3238E+00 2.3176E+00 2.3436E-01 2.407E-02 2.1666E-02 2.4346E-01 2.407E-02 2.4159E-01 2.4159E-01 2.4159E-01 2.4169E-02 4.8721E-05 9.204E-04 2.3410E-03 2.3451E-01 1.10171E-03 1.8108E-02 2.4346E-01 2.407E-02 2.410E-03 3.3116E-01 2.407E-02 2.4116E-03 2.4346E-01 2.407E-02 2.4116E-03 2.3451E-01 1.10171E-03	1=3  3.0197E-02 1.6805E-01 2.7714E-04 2.705TE+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.3100E+00 2.6263E-01 2.3100E+00 3.3580E-02 2.5187E-01 2.3100E+00 3.5268E+00 6.4793E-01 4.4581E-02 1.4237E-01 2.3120E+00 6.7573E-01 4.4581E-02 1.5238E+00 6.7573E-01 4.958E+00 6.773E-01 4.958E+00 6.773E-01 4.958E+00 6.773E-01 4.958E+01 7.3453E-01 7.3463E-02 7.3412E-01	ZETA= 2.C01  1=4  3.4912E-02 1.9430E-01 3.2041E-04 3.122EE+06 2.1747E+00 2.3147E+00 2.3147E+00 3.147E+00 3.147E+00 3.1486E-01 2.2940E+00 3.1486E-01 2.2940E+00 3.1486E-01 2.2940E+00 3.417E+00 3.4717E+00 3.4717E+00 3.4717E-01 3.2391E-01 9.2459E-03 3.4179E-01 9.2459E-03 3.4179E-01 9.2459E-03 3.4179E-01 9.2469E-03 3.4778E-01 9.2469E-03 3.4778E-01 9.2469E-03 3.4778E-01 9.2469E-03 3.4778E-01 9.2469E-03 3.4778E-01 9.2489E-03 1.1766E-02	1=5  4.2052E-02 2.3403E-01 2.8594E-04 3.7678E+00 2.3091E+00 2.3091E+00 2.3091E+00 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 3.6786E-10 2.2803E+00 9.000E+01 1.0481E+00 2.21709E-11 2.102E-03 3.28E+00	1=6  3.4912E-02 1.9430E-01 3.2041E-04 3.1202E+00 2.11747E+00 2.3147E+00 3.1468E-01 -4.7416E-02 3.0599E-01 2.2940E+00 6.4717E+00 8.5511E+01 7.3517E-01 7.3531E-01	1=7  3.01976-02 1.6805E-01 2.7714E-04 2.7057E+00 2.3220E+00 2.3220E+00 2.3220E+00 2.46261E-02 1.1174E-01 2.3100E+00 2.6263E-01 2.3100E+00 3.5268E+00 8.4491E+01 2.324E-01 2.3358E-02 1.4237E-01 2.3358E-02 1.4237E-01 2.3358E+00 8.4491E+01 2.3358E-01 4.4531E-01 2.3358E-01 4.4531E-01 4.4531E-01 4.4753E-01 4.4531E-01 4.4753E-01 4.4531E-01 4.4531E-01 4.4531E-01 4.4531E-01 2.511E-02 4.6121E-02 5.4753E-01 3.8965E-02 9.0718E-01 9.8847E+01 6.3467E-05 4.6239E-04 9.7272E-04	1=8  2.7517E-02 1.5314E-01 2.5254E-04 2.4655E+00 2.3282E+00 2.3282E+00 2.3282E+00 2.371E-01 2.3176E-02 2.3176E-02 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.3176E-01 2.304E-01 2.3176E-01 2.304E-01 2.3176E-01 2.402E-01 6.4622E-01 6.4622E-01 6.4622E-01 6.4622E-01 6.462E-02 6.4826E-01 2.407E-02 6.4856E-01 2.407E-02 6.4876E-02 6.4876E-02 6.4876E-02 6.565E-02 6.565E-02 6.565E-02	1=9  2.7017E-02 1.5035E-01 2.4795E-04 2.4207F+00 2.3394E-01 2.3394E-00 2.3394E-01 2.3039E-01 1.8259E-71 2.3039E-01 2.3194E+00 2.33194E+00 2.33194E-10 6.8493E-12 -7.7331E-11 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3331E-11 -7.3391E-11 -7.391E-00 -1.4391E-00 -1.4391E-01 -1.4395E-02 -1.1396E-01	I=10

				-ZETA=1.COC	GC000E-01-					
	t=:	1=2	t=3 .	T=4	1=5	I=6	1=7	8=1	1=9	f =1 0
P	2.71C4E-C2	2.7579E-02 1.5348E-01	3.0202E-02 1.68C8E-01	3.4931E-02 1.9440E-Cl	4.2334E-02	3.4931E-02 1.9440E-01	3.0202E-02 1.6808E-01	2.7579E-G2 1.5348E-01	2.7104E-02	-
P/ROASTSQ P/PTINF	1.5C84E-01 2.4f75E-C4	2.5311E-04	2.7719E-04	3.2058E-C4	2.3560E-Cl 3.8853E-04	3.2058E-04	2.7719E-04	2.5311E-04	1.5084E-01 2.4875E-04	
P/PINF	2.4285E+CO	2.4710E+00	2.7061E+00	3.1298E+00	3.7932F+00	3.1298E+00	2.7061E+00	2-4710E+00	2-4285E+00	
RHD U	1.86C2E+00 2.3306E+00	1.8718E+00 2.3284E+00	1.9735E+00 2.3219E+00	2.17C8E+00 2.3147E+00	2.4748E+00 2.3093E+00	2.1708E+00 2.3147E+00	1.9735E+00 2.3219E+00	1.8718E+00 2.3284E+00	1.8602E+00 2.3306E+00	-
٧	-2.4510E-02	-2.4141E-02	-2.3421E-02 -1.1054E-01	-2.4175E-C2	-2.7184E-C2	-2.4175E-02 1.0965E-C1	-2.3421E-02 1.1054E-01	-2.4141E-02 6.6559E-02	-2.4510E-02	
W W	0. 2.3186E+CO	2.3165E+00	2.3C85E+0C	2.2938E+C0	5.1162E-10 2.2774E+00	2.2938E+00	2.3085E+00	2.3165E+00	2.3186E+00	
VC.	2.3752E-C1	2.4497E-01	2.7141E-01	3.2703E-01	3.8359E-C1	3.2703E-01	2.7141E-01	2.4497E-01	2.3752E-01	
ACC MC	4.0738E-16 2.3752E-C1	1.4259E-02 2.3870E-01	3.4762E-02 2.5875E-Cl	4.30C3E-02 3.1699E-C1	5.2467E-10 3.8359E-01	3.1699E-01	-3.4762E-02 2.5875E-01	2.3870E-01	1.8258E-11 2.3752E-01	
MCC	0.	-5.6856E-02	-8.8995E-02	-9.1182E-02	5.1247E-10	9.1182E-02	8.89958-02	5.6866E-02	1.6992E-12	
Vx Vv	0. -2.3752E-C1	6.1911E-02 -2.3745E-01	1.4718E-01 -2.3067E-01	2.7C60E-C1 -1.8861E-01	3.8359E-01 5.0516E-10	2.7060E-01 1.8861E-01	1.4718E-01 2.3067E-01	6.1911E-02 2.3745E-01	-2.8204E-11 2.3752E-01	
٧z	2.31 86E+00	2.3165E+00	2.3C85E+00		2.2774E+00	2.2938E+00	2.3085E+00 3.6481E+00	2.3165E+00	2.3186E+00	
PSINOR The TNOR	0. 9.4)51E+C1	1.5309E+00 8.4150E+01	3.6481E+00 8.4305E+01		9.5609E+00 9.0000E+01	6.7280E+00 8.5332E+01	8-4305E+01	8.4150E+01	-6.9697E-10 8.4151E+01	
XBAR	0.	3.23336-01	6.3287E-01	8.9726E-C1	1.C240E+00	8.9726E-01	6.3287E-01	3.23338-01	-7.1564E-11	
XBHLD Yrar	0. -6.4:31E-01	6.6516E-02 -6.0775E-01	3.6955E-01 -5.0304E-01	6.2685E-01 -3.0596E-C1	1.0240E+00 -1.9506E-11	6.2685E-01 3.0596E-01	3,6955E-01 5.0304E-01	6.6516E-02 6.0775E-01	-7,1564E-11 6,4131E-01	
YBHLD	-5.4131E-C1	-6.3441 E-01	-5.9212E-01	-5.05C8E-01	-1.9510E-11	5.0508E-01	5.9212E-01	6.3441E-01	6.4131E-01	
ETA G	7.1975E-03 -2.5110E-02	6.8192E-03 -2.5487E-02	6.0107E-03	4.6229E-C3 -2.7373E-C2	4.1071E-03 -2.8942E-02	4.6229E-03 -2.7373E-02	6.0107E-03 -2.6551E-02	6.8192E-03 -2.5487E-02	7.1975E-03 -2.5110E-02	
DEDNS	5.81CCE+00	5.8234E+00	5.88888+00	6-0321E+00	6.2736E+00	6.0321E+00	5.8888E+00	5.8234E+00	5.8100E+00	
MA CROSSM	6.9:76E+00 7.2745E-02	6.8755E+00 2.0897E-01	6.7321E+00 3.2722E-01	6.5449E+C0 3.1712E-01	6.3260E+00 7.4461E-02	6.5449E+00 3.1712E-01	6.7321E+00 3.2722E-01	6.8755E+00 2.0897E-01	6.9176E+00 7.2745E+02	
SHAR	1.8212E-C2	2.6951E-02	4.3774E-02	5.5813E-C2	6.4571E-C2	5.5813E-02	4.3774E-02	2-6951E-02	1.8312E-02	
POPOGAM	1.1367E-02	1-1466E-02	1.1660E-02		1.1905E-C2		1.1660E-02	1.1466E-02	1.1367E-02	
PT/PTINF PT	9.5525E-01 1.C4G8E+02	9.3494E-01 1.0186E+02	8.9634E-01 9.7656E+01	8.6976E-C1 9.4770E+01	8.5093E-01 9.2717E+01	8.6976E-01 9.4770E+01	8.9634E-01 9.7666E+01	9.3484E-01 1.0186E+02	9.5525E+01 1.0408E+02	
BERNOUL	1.2743E-09	-7.6625E-05	-3.3665E-05	4.7034E-04	6.1543E-10	4.7034E-04	-3.3684E-05	-7.6625E-05	1.2743E-C9	
DPDZ Dudz	-5.0718E-04 -1.7641E-03	-3.0924E-04 1.1708E-03	3.6986E-C4 3.3731E-03	1.9370E-C3	-2.C289E-C3 -1.1165E-03	1.9370F-03	3.0986E-04 .3.3732E-03	-3.0924E-04 1.17CBE-03	-6.0218E-04	
DVDZ	-2.4125E-01	-2.3809E-01	-2.3130E-01	-2.3689E-C1	-2.6269E+01	-2.3689E-01	-2.3130E-01	-2.3809E-01	-2.4125E-01	
DWD Z DS BD Z		-1.2979E-02 -4.6624E-02		-1.9907E-02 -3.8137E-02	1.4074E-09	1.8907E-C2	2.1970E-02	1.2979E-02	-2.9734E-11 -7.93476-26	
PP	-1.5407E-15	2.6111E-02	6.5274E-02	1.3434E-C1	-5.2821E-10	-1.3434E-01	-6.5274E-02	-2.6111E-02	-5.5062E-15	
UP VP	-5.1C42E-14 5.5607E-16	-8.3820E-02 1.3098E-02	-1.3259E-01 3.5973E-03	-1.3047E-01 -4.5029E-02	3.1798E-09	1.3047E-01	1.3259E-01 -3.5972E-03	8.3820E-02	-3.857ZE-13	
WP	-1.2637E+00	-1.C604E+00	-5.1626E-01	1.0604E+00	2.2963E+00	1.0604E+00	-5.1626E-01	-1.0604E+00	-1.2637E+00	
SBARP	6.3340E-16	2.6182E-01	2.7651E-01	2.0594E-C1	-1.0940E-08	-2.0594E-01	-2.7651E-01	-2.6182E-01	2.7816E-15	
				ZETA= 5.00	00000E-05					
	1=1	1=2	1=3	I=4 -	1=5	1=6	1=7	8=1	I=9	[=10
0										
0	2.7127E-C2	2.7586E-02	3.01736-02		4.2413E-02	3.4890E-02	3.01735-02	2.75868-02	2-71276-02	*
P/RDASTSQ P/ITTQ	2.7127E-C2 1.5097E-01 2.4996E-C4	2.7586E-02 1.5352E-01 2.5318E-04	3.0173E-02 1.6792E-01 2.7692E-04		2.3604E-01	1.9417E-01	1.6792E-01	1.5352E-01	1-5097E-01	•
P/PTINF P/PINF	1.5097E-01 2.4996E-04 2.4306E+00	1.5352E-01 2.5318E-04 2.4717E+00	1.6792E-01 2.7692E-04 2.7035E+00	1.9417E-C1 2.2021E-04 3.1261E+00	2.3604E-01 3.8925E-04 3.8002E+00	1.9417E-01 3.2021E-04 3.1261E+00	1.6792E-01 2.7692E-04 2.7035E+00	1.5352E-01 2.5318E-04 2.4717E+00	1.5097E-01 2.4896E-04 2.4306E+00	,
P/PTINF	1.5097E-01 2.4996E-04 2.4306E+00 1.8613E+00	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+C0	2.3604E-01 3.8925E-04 3.8002E+00 2.4781E+C0	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00	1.5097E-01 2.4896E-04 2.4306E+00 1.8613E+00	
P/PTINF P/PINF RHO U V	1.5097E-01 2.4996E-04 2.4306E+00 1.8613E+00 2.3707E+00 -1.2379E-02	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2168E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+C0 2.3145E+00 -1.22C9E-C2	2.3604E-01 3.8925E-04 3.8002E+00 2.4781E+C0 2.3093E+00 -1.3827E-C2	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 -1.2209E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2168E-02	1.5097E-01 2.4896E-04 2.4306E+00 1.8613E+00 2.3307E+00 -1.2379E-02	•
P/PTINE P/PINE RHO U V	1.5097E-01 2.4996E-04 2.4306E+00 1.8613E+00 2.3307E+00	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2158E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00	1.9417E-C1 2.2021E-04 3.1261E+00 2.1655E+C0 2.3145E+00 -1.22C9E-C2 -1.0852E-01	2.3604E-01 3.8925E-04 3.8002E+00 2.4781E+C0 2.3093E+00 -1.3827E-C2 4.1111E-10	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 -1.2209E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 1.0889E-01	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2168E-02 6.5440E-02	1.5097E-01 2.4896E-04 2.4306E+00 1.8613E+00 2.3307E+00 -1.2379E-02	•
P/PTINE P/PINE RHO U V W UC VC	1.5097E-01 2.4896E-04 2.4306E+00 1.8613E+00 2.3307E+00 -1.2379E-02 0. 2.3182E+00 2.4124E-01	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2158E-02 -6.5440E-02 2.3158E+00 2.4895E-01	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 -1.0889E-01 2.3075E+00 2.7598E-01	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 -1.22C9E-C2 -1.0852E-01 2.2925E+00 3.3353E-C1	2.3604E-01 3.8925E-04 3.8002E+00 2.4781E+00 2.3093E+00 -1.3827E-C2 4.111E-10 2.2759E+00 3.9207E-01	1.9417E-01 3.2021E-04 3.1261E-00 2.1655E+00 2.3145E+00 -1.2209E-02 1.0852E-01 2.2925E+00 3.3353E-01	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 1.0889E-01 2.3075E+00 2.7598E-01	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2168E-02 6.5440E-02 2.3158E+00 2.4895E-01	1.5097E-01 2.4896E-04 2.4306E+00 1.8613E+00 2.3307E+00 -1.2379E-02 0. 2.3182E+00 2.4124E-01	
P/PTINE P/PINE RHO U V W UC VC WC	1.5097E-01 2.4996E-04 2.43C6E+00 1.8613E+00 2.37C7E+00 -1.2379E-02 0. 2.3182E+00 2.4124E-01 4.1376E-16	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2158E-02 -6.5440E-02 2.3158E+00 2.4895E-01 1.5368E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 -1.0889E-01 2.3075E+00 2.7598E-01 3.6382E-02	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+C0 2.3145E+C0 -1.22C9E-C2 -1.0852E-01 2.2925E+00 3.3353E-C1 4.4118E-C2	2.3604E-01 3.8925E-04 3.8002E+00 2.4781E+00 2.3093E+00 -1.3827E-02 4.1111E-10 2.2759E+00 3.9207E-01 4.2416E-10	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 -1.2209E-02 1.0852E-01 2.2925E+00 3.3353E-01 -4.4118E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 1.0889E-01 2.3075E+00 2.7598E-01 -3.6382E-02	1.5352E-01 2.5318E-04 2.5318E-04 2.4717E+00 1.8674E+00 2.3222E+00 -1.2168E-02 6.5440E-02 2.3158E+00 -1.5368E-02	1.5097E-01 2.4896E-04 2.4306E+00 1.8613E+00 2.3307E+00 -1.2379E-02 0.23182E+00 2.4124E-01 1.8258E-11	•
P/PTINE P/PINE RHO U V W UC VC VC VC VC VC VC VC VC	1.5097E-01 2.4996E-04 2.4306E-00 1.8613E-00 2.3707E-00 0.23182E+00 2.4124E-01 4.1376E-16 2.4124E-01 0.	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3282E+00 -1.2158E-02 2.3158E+02 2.3158E+02 2.4895E-01 1.5368E-02 2.4235E-01 -5.8968E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 1.1782E-02 -1.0889E-01 2.3075E-02 2.7598E-01 3.6382E-02 2.6270E-01 9-9.2075E-02	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+C0 2.3145E+C0 -1.22C9E-C2 -1.0852E-01 2.2925E+00 3.3353E-C1 4.4118E-C2 2.2287E-C1 9.4567E-02	2.3604E-01 3.8925E-04 3.8002E+00 2.4781E+C0 2.3093E-00 1.3827E-02 4.111E-10 2.2759E+00 3.9207E-01 4.2416E-10 3.9207E-01 4.1155E-10	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 1.2209E-01 2.2925E+00 3.3353E-01 -4.4118E-02 3.2287E-01 9.4567E-02	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 1.1782E-02 1.0889E-01 2.3075E-00 2.7598E-01 -3.6382E-02 2.6270E-02 9.2075E-02	1.5352E-01 2.5318E-04 2.4711F+00 1.8674E+00 2.3282E+00 1.2168E-02 6.5440E-02 2.3158E-02 2.4895E-01 -1.5368E-02 2.4235E-01 5.8966E-02	1.5097E-01 2.4506E+00 1.4506E+00 1.8613E+00 2.3307E+00 -1.2379E-02 0. 2.3182E+00 2.4124E-01 1.8258E-11 2.4124E-01 8.8642E-13	•
P/PTINE P/PINE RHO U V W UC VC VC VC	1.5097E-01 2.4996E-04 2.4306E+00 1.8613E+00 2.3707E+00 -1.2379E-02 0.3182E+00 2.4124E-01 0.41376E-16 2.4124E-01 0.0	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.32 82E+00 -1.2158E-02 2.3158E+00 2.4895E-01 1.5368E-02 2.4235E-01 -5.8968E-02 6.3777E-02	1.6792E-01 2.7692E-04 2.7692E-04 1.9656E+00 2.3216E+00 -1.1782E-02 -1.0889E-01 2.3075E+00 2.7598E-01 3.6382E-02 2.6270E-01 -9.2075E-01	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+C0 2.3145E+C0 -1.22C9E-C2 -1.287E-01 2.2925E+00 3.3353E-C1 4.4119E-C2 2.2287E-C1 -9.4567E-C1 2.7615E-C1	2.3604E-01 3.8925E-04 3.8002E+00 2.4781E+C0 2.3093E+00 -1.3827E-C2 4.1111E-10 2.2759E+00 3.9207E-01 4.2419E-10 3.9207E-C1 4.1155E-10 3.9207E-01	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 2.3145E+00 1.2209E-02 1.0852E-01 2.2925E+00 3.3353E-01 4.4118E-02 3.2287E-01 9.4567E-01 2.7615E-01	1.6792E-01 2.7692E-04 2.7033E+00 1.9656E+00 2.3216E+00 -1.1782E-02 1.0889E-01 2.3075E+00 2.7598E-01 -3.6382E-02 2.6270E-01 9.2075E-02 1.5060E-01	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.3262E+00 -1.2168E-02 2.5440E-02 2.3158E+00 2.4895E-01 1.5368E-02 2.4235E-01	1.5097E-01 2.4506E-04 2.4506E+00 1.8613E+00 2.3307E+00 -1.2379E-02 0. 2.4124E-01 1.0258E-11 2.4124E-01 8.6642E-13 -2.8366-11	
P/PTINE P/PINE RHO U V VC VC VC VC VC VC VC VC VC VC VC VC V	1.5097E-01 2.4996E-04 2.4306E+00 1.8613E+00 2.37CT+00 -1.2379E-02 0.2.4124E-01 4.1376E-16 2.4124E-01 0. 0. -2.4124E-01 2.3182E+00	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.32 02E+00 -1.2158E-02 2.5158E+00 2.4895E-01 1.5368E-02 2.4235E-01 5.8968E-02 6.3777E-02 -2.4113E-01 2.3158E+00	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 2.3075E+00 2.7598E-01 3.6382E-02 2.6270E-01 -9.2073E-02 1.5060E-01 -2.3411E-01 2.3075E+00	1.9417E-C1 3.1261E+00 2.1655E+00 2.31455+00 -1.22C9E-C2 -1.0852E-01 2.2925E+00 3.3353E-01 4.4118E-C2 2.2287E-C1 -0.4567E-02 2.7615E-C1 -1.9217E-01 2.2925E+00	2.3604E-01 3.8925E-04 3.8002E+00 2.478LE+C0 2.3093E+00 -1.3827E-C2 4.1111E-10 2.2759E+00 3.9207E-01 4.2416E-10 3.9207E-01 4.1155E-10 3.9207E-01 4.042ZE-10 2.2759E+00	1.9417E-01 3.2021E-04 3.1251E+00 2.1655E+00 2.3145E+00 -1.2209E-02 1.0852E-01 2.2925E+00 3.3353E-01 4-4118E-02 3.2287E-01 2.7615E-01 1.9217E-01 2.2925E+00	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 1.089E-01 2.30175E+00 2.7598E-02 2.6270E-01 9.20175E-02 1.5060E-01 2.3411E-01 2.30175E+00	1.5352E-01 2.5318E-04 2.4511TE+00 1.8674E+00 2.3262E+00 -1.2168E-02 2.3158E+00 2.4895E-01 1.5368E-02 2.4235E-01 5.8968E-02 6.3777E-02 2.4113E-01 2.3158E+00	1.5097E-01 2.4506E+00 1.8613E+00 2.3307E+00 -1.2379E-02 0.3182E+00 2.4124E-01 1.8258E-11 2.4124E-01 8.8642E-13 -2.8360E-11 2.4124E-01 2.4124E-01 2.3182E+00	
P/PTINE P/PINE RHO U V W UC VC HC VCC HCC VCC VC VY VY VZ	1.5097E-01 2.4996E-04 2.43C6E+00 1.8613E+00 2.37C7E+00 -1.2379E-02 0.4:24E-01 4.1376E-16 2.4:24E-01 0. 0. 2.4:24E-01 0. 0. 2.4:24E-01 0. 0.	1.5352E-01 2.5318E-04 2.4717E+00 1.8674E+00 2.32 22E+00 -1.2158E-02 2.3158E+02 2.4895E-01 1.5368E-02 6.3777E-02 2.4113E-01 2.2113E+00 1.5775E+00	1.6792E-01 2.7635E+00 1.9656E+00 1.9656E+00 -1.1702E-02 -1.0809E-01 2.3015E+00 2.7598E-01 3.6382E-02 2.6270E-01 -9.2075E-02 1.5060E-01 -2.3411E-01 2.3075E+00	1-9417E-C1 2-2021E-04 3-1261E+00 2-1655E+00 2-3145E+00 -1.22C9E-C2 -1.0852E-01 2-2925E+00 3-3353E-C1 4-4118E-C2 2-228TE-C1 2-228TE-C1 2-7615E-C1 1-9217E-01 2-2925E+00 6-8685E+00	2.3604E-01 3.8925E-04 3.8902E+00 2.4781E+00 2.3093E+00 -1.3827E-C2 4.1111E-10 3.9207E-01 4.2416E-10 4.9207E-01 4.0422E-10 2.2759E-00 9.7746E+00	1.9417E-01 3.2021E-04 3.1251E+00 2.1655E+00 2.3145E+00 -1.2209E-02 1.0852E-01 2.2925E+00 3.3353E-01 -4.4118E-02 2.7615E-01 1.9217E-01 2.2925E+00	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 1.0889E-01 2.3075E+00 2.7598E-01 -3.6382E-02 2.6270E-01 9.2075E-02 1.5060E-01 2.3411E-01 2.3411E-01 3.7342E+00	1.5352E-01 2.5318E-04 2.4711F+00 1.8674E+00 2.3222E+00 0-1.2168E-02 2.3156E+00 2.4895E-01 -1.5368E-02 2.4235E-01 5.8968E-02 2.413E-01 2.3156E+00 2.3156E+00	1-5097E-01 2-4906E-00 2-4506E+00 1-8613E+00 2-3307E+00 -1-2379E-02 0. 2-3182E+00 1-8258E-11 2-4124E-01 8-8642E-13 -2-8360E-11 2-4124E-01 2-3182E-01 2-3182E-01 2-3182E-01	
P/PINE P/PINE P/PINE P/PINE U V M UC VC MC VC VC VX VY VY PSINOR THETNOR XBAR	1.5097E-01 2.4996E-04 2.4306E+00 1.8613E+00 2.3907E+00 -1.2379E-02 0.23182E+00 1.4124E-01 0.00 -2.4124E-01 0.00 -2.4124E-01 0.00 -2.4124E-01 0.00 -2.4124E-01 0.00 -2.4124E-01	1.5352E-01 2.5318E-04 2.4717E-00 1.8674E-00 2.3282E-00 -1.2158E-02 2.3158E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.423E-01 -5.8968E-02 2.3158E-00 0.3777E-02 0.3775E-00 8.4058E-01 1.5775E+00 8.4058E+01	1.6792E-01 2.7692E-04 1.9656E+00 1.9656E+00 -1.1782E-02 -1.0889E-01 2.3075E+00 2.7598E-01 3.6382E-02 1.5060E-01 -9.2075E-02 1.5060E-01 2.3015E+00 3.7342E+00 8.4219E+01 6.2536E-01	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 -1.229E-01 2.2925E+00 3.3353E-01 4.4118E-02 2.228FE-01 -9.4567E-02 2.7415E-01 1.9217E-01 6.8685E+00 8.5243E+01 8.5724E-01	2.3604E-01 3.892E-04 3.802E+00 2.4781E+00 2.3093E+00 -1.3827E-02 4.1111E-10 2.2759E+00 3.9207E-01 4.1155E-10 3.9207E-01 4.042E-10 2.2759E+00 9.000E+01 1.0120E+00	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 -1.2209E-02 1.0852E-01 2.2925E+00 3.3335E-01 -4.4118E-02 3.228FE-01 9.4567E-02 2.7615E-01 1.9217E-01 2.2925E-00 8.5243E+01 8.5243E+01	1.6792E-01 2.7692E-04 1.9656E-00 1.9656E-00 2.3216E+00 -1.1762E-02 2.7598E-01 2.3075E+00 2.7598E-01 9.2075E-02 1.5060E-01 2.3411E-01 2.3411E-01 2.3412E-00 8.4219E+01 6.2536E-01	1.5352E-01 2.5318E-04 2.4311Fe bit 1.8674E-00 1.8674E-00 -1.2168E-02 2.3322E+00 -1.2168E-02 2.3156E+00 2.4895E-01 -1.5368E-02 2.4235E-01 5.8968E-02 2.4315E-00 2.3158E-00 8.4058E-01 3.5775E-00 8.4058E-01	1.5097E-01 2.4896E-04 2.4506E+00 1.8613E+00 -1.2379E-02 0. 2.3307E+00 -1.2379E-02 0. 2.4124E-01 1.8258E-11 2.4124E-01 8.6642E-13 -2.8360E-11 2.4124E-01 2.3182E+00 7.0094E-10 8.4059E-01	
P/PIINE P/PINE RHO U V W UC VC VC VC VC VY VY VZ PSINOR THETNOR XBAR XBALD	1.5097E-01 2.4996E-04 2.4206E+06 1.9613E+00 2.32C7E+00 -1.2379E-02 0.3182E+00 2.4124E-01 0.4124E-01 02.4124E-01 0.3182E+00 0.4242E-01 0.9.4059E+01	1.5352E-01 2.5318E-04 2.4717E-00 2.3262E-00 -1.2168E-02 -0.5440E-02 2.3158E-02 2.3158E-02 2.4255E-01 -5.8968E-02 2.4255E-01 -5.8968E-02 -2.4113E-01 1.575E-00 1.5775E-00 1.5775E-00 1.4968E-01 3.4968E-01 4.4968E-01	1.6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 -1.1782E-02 1.0889E-01 2.30756+06 2.7598E-01 3.6382E-02 2.6270E-01 -9.2075E-02 2.3411E-01 2.3415E+01 6.2536E-01 2.9152E-01	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E-01 2.1655E-01 1.2205E-02 2.2925E-00 3.3353E-C1 4.4118E-02 2.7615E-01 2.7615E-01 2.7615E-01 6.8685E+00 8.5243E+01 8.5724E-01 5.3982E-01	2.3604E-01 3.8925E-04 3.8925E-04 2.4781E+00 2.4781E+00 2.4781E-00 1.3827E-01 3.9207E-01 4.2416E-10 3.9207E-01 4.0422E-10 9.7746E+00 9.7746E+00 9.7746E+01 1.0120E+00	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.1455E+00 2.145E-01 1.2209E-02 1.0852E-01 2.2925E+00 3.3333E-01 -4.4118E-02 2.7615E-01 1.9217E-01 2.2925E+00 6.8085E+00 6.8085E+00 8.5243E+01 8.8724E-01 5.3982E-01	1.6792E-01 2.7692E-04 2.7035E+00 1.9655E+00 2.3216E+00 0.1.1782E-02 1.0889E-01 2.3075E+00 2.7578E-01 -3.6382E-02 2.6270E-01 9.2075E-02 2.3411E-01 2.3075E+00 3.7342E+00 6.4219E+01 6.2536E-01 2.9152E-01	1.5352E-01 2.5318E-04 2.4117E-00 1.8674E+00 2.3282E-00 -1.2188E-02 2.3158E-00 2.4855E-01 5.868E-02 2.4135E-01 6.3777E-02 2.4113E-01 1.5775E+00 1.5775E+00 1.4945E-01 4.4945E-01	1.5097E-01 2.4896E-04 2.4906E-04 2.4906E-00 1.8613E-00 2.3307E-00 -1.2379E-02 2.4124E-01 1.8258E-11 2.4124E-01 8.8642E-13 -2.8360E-11 2.4124E-07 -7.094E-10 9.4059E-01 -7.088E-11	
P/PIINE P/PINE RHO U V W UC VC WC VCC VX YY YY YY THETNOR XBAR XBAR YBALO YBALO	1.5097E-01 2.4996E-04 2.4206E+06 1.9613E+00 2.3277E-00 -1.2379E-02 0.24:24E-01 4.1376E-16 2.49:24E-01 024:24E-01 03:42E+00 0.4:53E+01 06.255E-01	1.5352E-01 2.5318E-04 2.4717E-00 2.3262E-00 -1.2158E-02 -6.5460E-02 2.3158E-00 2.4895E-01 1.5368E-01 2.4235E-01 -5.8968E-02 -2.4113E-01 2.3158E-00 -2.4113E-01 3.4058E-01 3.4058E-01 3.4058E-01 3.4058E-01 3.4058E-01 4.6462E-02 -6.855E-01	1.6792E-01 2.7692E-04 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.375E+00 2.7598E-01 3.6302E-02 2.6270E-01 -9.2075E-02 1.5000E-01 -2.3411E-01 2.3075E+00 3.7342E+00 6.2536E-01 4.8741E-01 4.9152E-01 -4.8741E-01	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E-01 2.1655E-01 1.2209E-02 1.2092E-01 2.2925E-01 2.2925E-01 2.2925E-01 2.2925E-01 2.2925E-01 2.7615E-01 2.925E-00 6.8695E-00 8.5243E+01 8.5243E+01 5.3982E-01 -2.9706E-01	2.3604E-01 3.8925E-04 3.8925E-04 3.8902E+00 2.4781E+00 2.4781E+00 2.3759E-01 4.2416E-10 4.2416E-10 4.2416E-10 4.2425E-10 4.042ZE-10 9.7746E+00 9.7746E+00 1.0120E+00 1.0120E+00 -1.8907E-11 1.8907E-11	1.9417E-01 3.2021E-04 3.1261E+00 2.11655E+00 2.11655E+00 2.1145E+00 2.1145E-01 2.2925E+00 3.3333E-01 -4.4118E-02 2.7615E-01 1.9217E-01 2.9225E+00 6.8085E+00 6.8085E+00 6.8724E-01 2.9725E+00	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.7598E-01 2.3075E-02 2.7598E-01 9.2075E-02 2.3411E-01 2.3075E+00 3.7342E+00 8.4219E+01 6.2536E-01 2.9122E-01 4.8741E-01 5.9135E-01	1.5352E-01 2.5318E-04 2.4117E+00 1.8674E+00 1.8674E+00 1.268E-02 2.3128E+00 2.3138E-00 2.4835E-01 5.8968E-02 2.4135E-01 1.5775E+00 1.5775E+00 3.4028E+02 2.4136E-02 2.4136E-02 2.4136E-02 2.4136E-02 2.4136E-02 2.4136E-02 3.4028E-02 3.4028E-02 3.4028E-02 5.8855E-01 3.408855E-01 6.4598E-02 6.8555E-01	1.5097E-01 2.4896E-04 2.4996E-04 2.490E+00 1.8613E+00 1.2379E-02 2.3182E-00 2.4124E-01 1.8258E-11 2.4124E-01 8.8642E-13 2.28360E-11 2.4124E-07 2.3182E+00 7.094E-10 6.4059E+01 6.205E-01 6.205E-01 6.205E-01	
P/PIINF P/PINF RHO U V W UC VC MC VCC VCC VCC VCC VX VX VX VZ PSINOR THETNOR XBAR XBAR VBAR	1.5097E-01 2.4996E-04 2.4306E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.4124E-01 0.0 0.4124E-01 0.0 0.4124E-01 0.0 0.4124E-01 0.0 0.4124E-01 0.0 0.4124E-01 0.0 0.4124E-01 0.0 0.4124E-01 0.3 0.4124E-01 0.3 0.3 0.457E+01 0.3 0.3 0.457E+01	1.53352E-01 2.5318E-04 2.4717E+00 2.32 82E+00 -1.2138E-02 -0.5440E-02 2.3158E+00 2.4895E-01 1.5368E-02 2.4235E-01 2.235F-01 2.3158E+00 2.3158E+00 3.3777E-02 6.3777E-02 6.4058E+01 3.1943E-01 4.6462E-02 -6.1538E-01 -6.1538E-01	1.6792E-01 2.7692E-04 2.7692E-06 2.9656E+00 2.3216E+000 2.3216E+000 2.3075E+00 2.3075E+00 2.7598E-01 3.6302E-02 2.6270E-01 2.3075E-02 1.5060E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.3411E-01 2.3411E-01 2.3411E-01 3.7342E+00 6.4219E+01 2.9152E-01 3.0555E-03	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1955E+00 2.1955E+00 3.3355E-C1 2.2925E+00 3.3355E-C1 2.2926F-C2 2.7615E-C1 2.2925E+00 8.5243E+01 5.3982E-01 5.3982E-01 5.3982E-01 5.3156C-01 5.3156C-01 5.3156C-01 5.3156C-01	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 1.0120E+00 1.0120E+00 1.0120E+00 1.8907E-11 -1.8909E-11	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.3145E+00 2.3145E+00 2.3145E+00 3.3353E-01 2.2925E+00 3.3353E-01 2.44118E-02 3.2287E-01 2.4567E-02 2.7615E-01 2.9225E+00 6.5263E+00	1.6792E-01 2.7692E-04 2.7055E+00 1.9656E+00 2.3216E+00 2.3216E+00 2.3075E+00 2.7598E-01 2.3075E+00 2.7598E-01 2.6302E-02 2.6270E-01 1.5060E-01 2.3411E-01 2.3411E-01 2.3412E-01 4.219E+01 4.219E+01 4.219E+01 5.2152E-01 5.9152E-01 5.9152E-01	1.5352E-01 2.5318E-04 2.5318E-04 2.5318E-04 2.5318E-04 2.3358E-02 2.3158E-02 2.3158E+00 2.4895E-01 2.3158E-02 2.4235E-01 2.3158E-00 2.413E-01 2.3158E-00 3.477E-02 4.413E-01 2.3158E-00 4.642E-02 4.525E-01 4.642E-02 4.535E-01 4.5425E-01	1.5097E-01 2.4905E-00 2.4306E-00 2.3307E-00 0.3307E-00 0.1-2379E-02 0.2-3182E-00 2.4124E-01 2.4124E-01 2.4124E-01 2.4306E-11 2.4306E-11 7.0082E-11 7.0082E-11 7.0082E-11 6.205E-01 6.205E-01	
P/PIINE P/PINE RHO U V W UC WC WC WC VC	1.5097E-01 2.4996E-04 2.4906E+06 1.9613E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.4124E-01 0.0 0.44124E-01 0.0 0.4457E+01 0.0 0.4457E+01 0.0 0.4557E+01 0.0 0.4557E+01 0.0 0.4557E+01 0.0 0.4557E+01 0.0 0.4557E+01 0.0 0.4557E+01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.53352E-01 2.5318E-04 2.4717E+00 2.32 62E+00 -1.2138E-02 -0.5440E-02 2.3158E+00 2.4895E-01 1.5368E-02 2.4235E-01 2.4138E+00 2.4138E-00 2.3158E+00 6.3777E-02 8.4058E+01 3.1943E-01 4.6462E-02 -5.8855E-01 -6.1538E-01 -6.1538E-01 -6.1538E-01 -6.258E-01 -6.258E-02 -6.3738E-01 -6.268E-02 -7.268E-02 -7.268E-02 -7.268E-02 -7.268E-02 -7.268E-02 -7.268E-02 -7.268E-02	1.6792E-01 2.7692E-04 2.7692E-06 2.7692E-06 2.3216E+000 2.3216E+000 2.3216E+000 2.3075E+00 2.3075E+00 2.7598E-01 2.6270E-01 2.3075E-02 1.5060E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.3411E-01 2.3411E-01 2.3411E-01 3.7342E+00 6.4219E+01 3.0555E-03 -5.9135E-03 -5.9135E-03 -5.9135E-03 -5.9135E-03 -5.9135E-03 -5.9135E-03 -5.9135E-03 -5.9135E-03 -5.9135E-03	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1145E+00 2.1145E+00 2.1925E+00 3.3355E-01 2.2925E+00 3.3355E-01 2.29267E-01 2.29267E-01 2.2925E+00 8.5243E+01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-02 5.3535E-02 5.3940E+00	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 1.2746E-01	1.9417E-01 3.2021E-04 3.1261E+00 2.11655E+00 2.3145E+00 2.3145E+00 2.3145E+00 3.3353E-01 2.2972E+00 3.3353E-01 2.2972E+00 3.2287E-01 2.2972E+00 6.5263E-02 2.7615E-01 2.2972E-00 6.5263E-02 2.7615E-01 2.2972E-00 6.5263E-02 2.3715E-03 6.3685E+00 6.5263E-02 2.3715E-03 6.3755E-02 5.3756E-02 5.3756E-03	1.6792E-01 2.7692E-04 2.7055E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.375E+00 2.7598E-01 2.6759E-02 2.6270E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.3411E-01 2.3411E-01 2.3414E-01 2.192E-01 3.1342E+00 6.4219E+01 5.915E-01 3.035E-03 2.134E-01 5.915E-01	1.5352E-01 2.5318E-04 2.4717E+00 2.3262E+00 2.3262E+00 2.3262E+00 2.3156E+00 2.3156E+00 2.4895E-01 2.3156E+00 2.4895E-01 2.3156E+00 3.495E-01 2.3158E+00 4.6462E-02 4.625E-01 4.5462E-02 4.535E-01 4.5462E-02 4.535E-01 4.5462E-02 5.8855E-01 4.5462E-02 5.8855E-01 5.8968E-02 5.8855E-01 5.8968E-02 5.8855E-01 5.8968E-02 5.8855E-01 5.8968E-02 5.8855E-01 5.8968E-02 5.8855E-01 5.8968E-03	1.5097E-01 2.4905E-00 2.4305E-00 2.3307E-00 2.3307E-00 0.3377E-02 0.23182E-00 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4306E-11 -7.0842E-11 -7.0842E-11 -7.0842E-11 -7.0842E-11 -7.0842E-11 -7.0842E-11 -7.0842E-11	
P/PIINF P/PINF RHO U V W UC VC WCC VCC VX VY VI PSINOR THETNOR XBAR XBALD YBALO G G G G G G G G G G G G G G G G G G G	1.5097E-01 2.4996E-04 2.4206E+06 1.9613E+00 2.3207E+00 -1.2379E-02 0.2424E-01 0.4124E-01 0.424E-01 0.424E-01 0.425E+00 0.453E+00 0.453E+01 0.453E+	1.53352E-01 2.5318E-04 2.4717E+00 2.3282E+00 -1.2158E-02 -6.5440E-02 2.3158E-02 2.3158E-02 2.3158E-02 2.4235E-01 -5.8968E-02 2.4215E-01 -2.4138E-01 2.3158E-01 3.177E-02 -2.4113E-01 3.4058E-01 3.4058E-01 3.4058E-01 3.4068E-02 5.805E-01 3.4068E-02 5.7013E+00 6.8655E+01	1. 6792E-01 2.7692E-04 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3075E+00 2.3075E+00 2.3075E+00 2.6270E-01 9.2075E-02 1.5000E-01 -2.3411E-01 2.3075E+00 3.7342E+00 4.8741E-01 2.9152E-01 4.8741E-01 3.0053E-03 3.1342E-00 4.8741E-01 3.0053E-03 3.1342E-00 4.8741E-01 3.0053E-03 3.1342E-00 6.2536E-01 3.0053E-03 3.1347E-02 5.7334E+00 6.7205E+00	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E-165E-165E-165E-165E-165E-165E-165E	2.3604E-01 3.8925E-04 3.8925E-04 3.89025E-00 2.4781E+00 2.37981E+00 2.3795E-01 4.13827E-02 4.1111E-10 2.2759E+00 3.9207E-01 4.0422E-10 4.0422E-10 4.0422E-10 4.0225E-01 4.0120E-00 1.0120E-00 6.020E-01 2.05920E-01	1.9417E-01 3.2021E-04 3.1261E+00 2.11655E+00 2.11655E+00 2.1145E+00 -1.2092E-01 2.2925E+00 3.3353E-01 -4.4118E-02 3.2287E-01 9.4567E-02 2.7615E-01 1.9217E-01 2.9275E+00 6.8685E+00 2.9700E-01 2.9725E+00 2.9700E-01 2.9115E-03 2.975E-02 2.9115E-03 2.9700E-01 2.9115E-03 2.975E-02 5.8040E+00 6.8040E+00 6.8398E+00	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3075E-02 2.7598E-01 3.632E-02 2.6270E-01 9.2075E-02 2.3411E-01 2.3075E+00 3.7342E+00 6.2536E-01 2.912E-01 4.8741E-01 5.9135E-01 3.0035E-03 3.1314E-02 5.7334E+00 6.7205E+00	1.5352E-01 2.5318E-04 2.4117E+00 1.8674E+00 1.8674E+00 1.2168E-02 2.3128E+00 2.3128E+00 2.4325E-01 5.8968E-02 2.4135E-01 6.3777E-02 2.4113E-01 1.5775E+00 1.5775E+00 2.413E-01 2.4235E-01 2.4235E-01 2.425E-01 2.413E-01 1.5775E+00 3.1943E-01 2.4068E-02 5.8855E-01 2.4096E-03 2.4	1.5097E-01 2.4896E-04 2.490E+00 1.8613E+00 2.3307E+00 -1.2379E-02 2.4124E-01 1.8258E-11 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 3.5082E-11 6.2065E-01 3.5988E-03 1.2531E-02 5.6946E+00 9.9167E+00	
P/PIINF P/PINF RHO U V W UC VC WCC VCC VX VY VI PSINOR THETNOR XBAR XBAR CFOSS	1.5097E-01 2.4996E-04 2.4906E+00 1.9613E+00 2.99C7E+00 -1.2379E-02 0.24:24E-01 0.24:24E-01 0.24:24E-01 0.34:24E-01 0.34:24E-01 0.45:265E-01 0.52:065E-01 0.52:065E-01 0.52:065E-01 0.59:67E+00 0.59:67E+00	1.53352E-01 2.5318E-04 2.4717E+00 2.3262E+00 -1.2158E-02 -6.5440E-02 2.3158E+00 2.4895E-01 1.5368E-02 2.4235E-01 2.4235E-01 2.3158E+00 2.413E-01 2.2158E+00 1.5775E+00 3.1943E-01 3.4058E+0	1. 6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3216E+00 2.3216E+00 2.3015E+00 2.3015E+00 2.7598E-01 2.6276E-01 -9.2075E-02 3.7392E+00 3.7392E+00 3.7392E+00 3.7392E+00 3.7392E+00 3.7392E+00 3.7392E+01 3.9152E-01 3.0073E-03 3.734E+00 6.7205E+00 3.1698E-01 3.1698E-01 4.8400E-02	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 3.3355E-01 3.3355E-01 2.2925E+00 3.3355E-01 2.2925E+00 3.3355E-01 2.7615E-02 2.7615E-02 2.7615E-01 2.7925E+00 8.8724E-01 2.393E-01 2.393E-01 2.393E-01 2.313E-02 5.394E-03 6.3968E+00 3.0821E-01 5.3104E-03 5.394E+03 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-02 4.181E+C0 2.3795E+00 3.9207E-01 4.2416E-10 3.9207E-01 4.1155E-1 4.0422E-10 9.7746E-00 9.7746E-00 1.0120E-00 1.0120E-00 -1.8907E-11 2.0536E-03 1.4274E-02 5.9226E+00 3.7864E-02 3.7864E-02 4.4571E-02	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.1145E+00 -1.2209E-01 2.2925E+00 3.3353E-01 -4.418E-02 3.2287E-01 9.4567E-02 2.7615E-01 1.9217E-01 2.9725E+00 6.8685E+00 2.9725E+00 2.9725E+00 6.8685E+00 6.8685E+00 6.8685E+00 6.8685E+00 6.8724E-01 2.9725E-01 6.9726E-01	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.0275E-02 2.0275E-02 2.6270E-01 9.2075E-02 2.3411E-01 2.3075E+00 3.7342E+00 6.2536E-01 2.9122E-01 4.8741E-01 5.9132E-01 4.8741E-02 5.7334E+00 6.7205E+00 3.1334E+00 6.7205E+00 3.13469E-01	1.5352E-01 2.5318E-04 2.4117E-00 2.3282E-00 -1.2168E-02 6.5440E-02 2.3158E-00 -1.5368E-02 2.4258E-01 5.8968E-02 2.4258E-01 5.8968E-02 2.4138E-01 1.5775E-00 1.5775E-00 2.413E-01 1.4042E-02 5.8855E-01 2.4096E-03 1.4068E-02 5.8855E-01 2.4096E-03 1.4068E-02 5.8855E-01 2.4096E-03 1.2661E-02 5.7013E-00 1.9620E-01 1.9620E-01	1.5097E-01 2.4996E-04 2.4996E-04 2.4906E-00 1.8613E-00 2.3307E-00 -1.2379E-02 2.4124E-01 1.8238E-11 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 3.690E-1 7.0082E-11 6.2065E-01 3.5988E-03 1.2531E-02 5.6946E+00 3.6737E-02 3.6737E-02	
P/PIINE P/PINE RHO U V W UC VC MC VCC MC VY VZ PSINOR THETMOR XBAR XBAHLO YBAR VBAHLO ETA G CROSSM SWAR SWAR SWAR SWAR SWAR SWAR SWAR SWAR	1.5097E-01 2.4996E-04 2.4906E+06 1.9613E+00 2.3907E+00 1.2379E-02 0.24:24E-01 0.00 0.4:24E-01 0.00 0.4:24E-01 0.00 0.4:24E-01 0.00 0.4:24E-01 0.00 0.4:24E-01 0.00 0.4:24E-01 0.00 0.4:24E-01 0.00 0.4:24E-01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	1.53352E-01 2.5318E-04 2.4717E-00 2.32 82E-00 -1.2138E-02 -0.5440E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-0 2.4235E-0 6.3777E-02 6.3777E-02 8.4058E-01 2.5138E-00 8.4058E-01 3.1943E-01 4.6462E-02 5.7013E-00 6.855E-01 -6.1538E-00 6.8655E-01 -6.1538E-00 6.8656E-00 1.920E-01 2.0530E-02 1.925E-01 1.925E-01 1.925E-01 1.925E-01 1.925E-01 1.925E-01 1.925E-01	1.6792E-01 2.7692E-04 2.7692E-06 2.7692E-06 2.3216E+000 2.3216E+000 2.3216E+000 2.3075E+00 2.3075E+00 2.7598E-01 2.3075E-02 1.5060E-01 2.3075E-02 1.5060E-01 2.3411E-	1.94172-01 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.165E+00 2.292E+00 3.3355E+01 2.292E+00 3.3355E+01 2.292E+00 2.2487E-01 2.292E+00 2.2487E-01 2.2487E-01 2.2487E-01 2.2487E-01 2.2487E-01 2.2487E-01 2.3415E-01 2.3415E-01 2.3415E-01 2.3415E-01 2.3415E-01 2.3415E-01 3.341E-01 3.341E-01 3.341E-01 3.341E-01 3.0421E-01 5.3410E-02	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-02 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 1.2746E-02 2.7746E-03 3.7864E-03 3.7864E-02 6.3741E-02	1.9417E-01 3.2021E-04 3.1261E+000 2.11655E+000 2.3145E+000 2.3145E+000 2.3145E+000 3.3353E-01 2.2972E+00 3.3353E-01 2.44118E-02 3.2287E-01 2.4567E-02 2.7615E-01 2.9725E+00 6.5865E+000 6.5982E+00 5.3982E-00 6.5398E+00 6.5398E+00 5.398E+00 5.398E+00 5.382E-01 5.8196E-02	1.6792E-01 2.7692E-04 2.7055E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3758E+01 2.3075E+00 2.7598E-01 2.6302E-02 2.6270E-01 2.3015E-02 1.5060E-01 2.3411E-01 2.3411E-01 2.3412E-01 3.7342E+00 6.4219E+01 5.9135E-01 4.8741E-01 5.9135E-01 5.9135E-01 5.9135E-01 4.8741E-01 5.9135E-01 4.8741E-01 5.9135E-01 6.7205E+00 6.7205E+00 6.7205E+00 6.7205E+00 6.7460E-01 4.8460E-02 4.8460E-02 4.1715E-02	1.5352E-01 2.5318E-04 2.4717E+00 2.3262E+00 2.3262E+00 2.3262E+00 2.3156E+00 2.4895E-01 2.3156E+00 2.4895E-01 2.3156E+00 2.4895E-01 2.3158E+00 2.4413E-01 2.3158E+00 3.4058E-01 2.3158E+00 3.4058E-01 2.3158E+00 3.1943E-01 4.6462E-02 2.4625E-01 2.3158E-00 6.8655E-00 6.8655E-00 6.8655E-01 6.8655E-01 6.8655E-01 6.8655E-01 6.8655E-01	1.5097E-01 2.4905E-00 2.4306E-00 2.4307E-00 2.3307E-00 0.3377E-00 0.4328E-00 2.4124E-01	
P/PIINE P/PINE RHO U V W UC VC MC VCC MCC VY VZ PSINOR THETMOR XBAR XBAHLO YBAR C CROSSM SWAR SWAR SWAR SWAR SWAR SWAR SWAR SWAR	1.5097E-01 2.4996E-04 2.4306E+06 2.3107E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.4124E-01 0.0 0.44124E-01 0.0 0.4457E+01 0.0 0.4457E+01 0.0 0.4557E+01 0.0 0.4557E+01 0.0 0.4577E+01 0.0 0.4577E+01 0.0 0.4577E+01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.53352E-01 2.5318E-04 2.4717E+00 2.32 62E+00 2.32 62E+00 2.3156E+02 2.3156E+02 2.3156E+02 2.4235E-01 2.536E-02 2.4235E-01 2.536E-02 2.4235E-01 2.3156E+00 3.4058E+01 2.3156E+00 3.4058E+01 3.1943E-01 4.6462E-02 5.7013E+00 6.8656E+00	1. 6792E-01 2.7692E-04 2.7692E-04 2.7692E-06 2.3216E+000 2.3216E+000 2.3216E+000 2.3075E+00 2.3075E+00 2.7598E-01 2.3075E-02 1.5060E-01 2.3075E-02 1.5060E-01 2.3471E	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.2925E+00 3.3355E-01 2.2925E+00 2.2987E-01 2.2925E+00 6.8665E+00 8.5243E+01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3982E-01 5.3158E-02 6.3358E+00 6.3358E+00 6.3358E+00 6.3458E+00	2-3604E-01 3-8925E-04 3-8002E+00 2-478IE+C0 2-3093E+00 2-3796E-01 3-9207E-01 3-9207E-01 3-9207E-01 3-9207E-01 3-9207E-01 3-9207E-01 3-9207E-01 1-0120E+00	1.9417E-01 3.2021E-04 3.1261E+00 2.11655E+00 2.3145E+00 2.3145E+00 2.3145E+00 3.335E-01 3.2022E8TE-01 3.335E-01 2.2025E8 4.4118E-02 2.7615E-01 2.2725E+00 6.5865E+00 6.5865E+00 6.596E+00	1.6792E-01 2.7692E-04 2.7055E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3758E+01 2.3075E+00 2.7598E-01 2.6362E-02 2.6270E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.3411E-01 2.3411E-01 2.3414E-01 2.3414E-01 2.3414E-01 2.3414E-01 2.3414E-01 2.3415E-01 3.7342E+00 6.4219E+01 5.9135E-01 5.9135E-01 5.9135E-01 5.9135E-01 5.9135E-01 5.9135E-01 6.7205E+00 6.7205E+00 6.7205E+00 6.7205E+00 6.7859E-01 8.8590E-01 8.8590E-01 8.8590E-01	1.5352E-01 2.5318E-04 2.4717E-00 2.3262E-00 2.3262E-00 2.3156E-00 2.3156E-00 2.3156E-00 2.4895E-01 2.3156E-00 2.4895E-01 2.3156E-00 2.4823E-01 2.3156E-00 3.4056E-02 2.413E-01 2.3158E-00 3.4056E-02 2.413E-01 2.3158E-00 3.4056E-01 2.3158E-00 3.1943E-01 4.6462E-02 5.8855E-01 6.1598E-01 2.1507E-02 9.2652E-01 1.5075E-02	1.5097E-01 2.4905E-00 2.4305E-00 2.3307E-00 0.3307E-00 0.1-2379E-02 0.2-3182E-00 2.4124E-01 2.4124E-01 2.4124E-01 2.4306E-11 2.4324E-02 2.3182E-00 6.4099E-01	
PPPIINE PPPINE RHO U V W UC VC WCC VCC VX VY VI PSINOR THETNOR XBAR XBAHLO YBAR CG G G CEQNS A CROSS M SUAR PDROGAM PT/PTINE PT BERNOUL	1.5097E-01 2.4996E-04 2.4206E+00 1.9613E+00 2.92CTE+00 -1.2379E-02 0.24:24E-01 0.24:24E-01 0.24:24E-01 0.45:24E-01 0.46:59E+01 0.46:59E+01 0.46:59E+01 0.46:59E+01 0.59:67E+00 0.59:67E+00 0.59:67E+00 0.59:67E+00 0.59:67E+00	1.53352E-01 2.5318E-04 2.4717E-00 2.32 02E+00 1.2158E-02 -0.5440E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-01 2.3158E+00 2.4235E-01 1.5368E-02 2.4235E-01 3.4775E-00 3.1775E-00 3.17943E-01 3.4096E-03 3.4096E-03 3.4096E-03 1.2681E-02 5.7013E+00 1.9620E-01 1.9707E-02 1.9520E-01 1.9520E-01 1.0707E-02 1.0750E-01 2.0530E-01 1.0750E-01 1.0750E-01 1.0750E-01 1.0750E-01	1. 6792E-01 2.7692E-04 2.7035E+00 1.9656E+00 2.3218E+00 2.3218E+00 2.3015E+00 2.3015E+00 2.7598E-01 3.6382E-02 2.6270E-01 9.2075E-02 3.7342E+00 6.2538E-01 3.9152E-01 3.0075E-02 3.7342E+00 6.2538E-01 3.0075E-01	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.165E+00 2.165E+00 2.202E-02 2.202E-02 2.202E-02 2.202E-02 2.202E-01 2.202E-01 2.202E-01 2.202E-01 2.202E-01 2.202E-01 2.202E-01 2.302E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.304E-01 2.313E-02 5.304E-01 2.313E-02 5.304E-01 2.313E-02 5.304E-01 2.313E-02 5.304E-01 2.313E-02 5.304E-01 2.313E-02 5.304E-01 3.302E-01 2.313E-02 5.304E-01 3.302E-01 5.304E-02 5.304E-01 5.304E-02 5.304E-0	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 4.2416E-10 3.9207E-01 4.0422E-10 3.9207E-01 4.0422E-10 3.9207E-01 4.0422E-10 2.2759E-03 3.7746E-00 9.7746E-00 1.0120E-00 -1.8907E-11 2.0536E-03 1.4274E-02 5.9226E+00 3.7864E-02 1.4905E-02 1.905E-02 1.905E-03 3.7864E-02 1.4905E-02 1.905E-03	1.9417E-01 3.2021E-04 3.1261E+00 2.11655E+00 2.11655E+00 2.1145E+00 1.22092E-01 2.2925E+00 3.3353E-01 2.2925E+00 3.2287E-01 2.4925E+00 3.2287E-01 2.4925E+00 3.2287E-01 2.925E+00 3.2287E-01 2.925E+00 3.2287E-01 2.925E+00 3.2287E-01 2.925E+00 3.2287E-01 2.935E-02 3.135E-03 3.392E-01 2.3315E-03 3.392E-01 2.3315E-03 5.8040E+00 3.0821E-01 5.8109E-02 1.1828E-02 1.1828E-02 1.1828E-02 1.1828E-02 1.1828E-02 1.1828E-02 1.1828E-02 1.1828E-02 1.1828E-02 1.1828E-03	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.7598E-01 2.3075E-02 2.7598E-01 9.2075E-02 2.341E-01 9.2075E-02 2.341E-01 2.341E-01 2.3075E-02 3.7342E+00 6.2536E-01 5.9135E-01 3.9132E-01 4.8741E-01 5.9135E-01 3.0035E-03 3.1314E-02 5.7334E+00 6.7205E+00 6.7	1.5352E-01 2.5318E-04 2.4117E+00 2.3282E+00 2.3282E+00 2.3158E-02 2.3158E-02 2.3158E-02 2.4035E-01 1.5368E-02 2.4136E-02 2.4136E-01 2.4258E-01 3.4968E-02 2.4113E-01 2.3158E-01	1.5097E-01 2.4996E-04 2.4906E-00 2.3907E-00 1.8613E-00 2.3307E-00 1.2379E-02 2.4124E-01 1.8258E-11 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 3.5986E-13 2.4124E-01 3.5986E-13 2.182E-00 7.0094E-10 6.2065E-01 3.5988E-03 1.2531E-02 5.6946E+00 3.6737E-02 1.1331E-02	
P/PIINE P/PINE RHO U V W UC VC MC VCC MCC VY VZ PSINOR THETMOR XBAR XBAHLO YBAR C CROSSM SWAR SWAR SWAR SWAR SWAR SWAR SWAR SWAR	1.5097E-01 2.4996E-04 2.4306E+06 2.3107E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.4124E-01 0.0 0.44124E-01 0.0 0.44124E-01 0.0 0.44124E-01 0.0 0.4453E+00 0.3453E-01 0.0 0.4453E+01 0.0 0.4453E+01 0.0 0.4453E+01 0.0 0.4453E+01 0.0 0.4453E-01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.53352E-01 2.5318E-04 2.4717E+00 2.32 62E+00 2.32 62E+00 2.3156E+02 2.3156E+02 2.3156E+02 2.4235E-01 2.536E-02 2.4235E-01 2.536E-02 2.4235E-01 2.3156E+00 3.4058E+01 2.3156E+00 3.4058E+01 3.1943E-01 4.6462E-02 5.7013E+00 6.8656E+00	1. 6792E-01 2.7692E-04 2.7692E-04 2.7692E-06 2.3216E+000 2.3216E+000 2.3216E+000 2.3075E+00 2.3075E+00 2.7598E-01 2.3075E-02 1.5060E-01 2.3075E-02 1.5060E-01 2.3471E	1.9417E-01 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.165E+00 3.3355E-01 2.2925E+00 3.3355E-01 2.2925E+00 2.2487E-01 2.2925E+00 6.8665E+00 8.5243E+01 5.3982E-01 5.3982E-01 5.3982E-01 5.315E-02 -1.3515E-02 -1.3515E-02 -1.3515E-02 -1.3515E-02 -1.3515E-02 -1.3526E-02 8.6479E-01 5.7603E-04 5.7603E-04 5.7603E-04 5.7603E-04	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 3.920FE-01 1.2746E-02 4.5474E-02 4.5474E-03	1.9417E-01 3.2021E-04 3.1261E+00 2.11655E+00 2.3145E+00 2.3145E+00 2.3145E+00 3.3353E-01 2.2925E+00 3.3353E-01 2.44118E-02 3.2287E-01 2.4725E+00 6.5263E+00 6.5263E+00 6.5263E+00 6.5263E+00 6.5263E+00 6.5398E+00	1.6792E-01 2.7692E-04 2.7055E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.7598E-01 2.9075E+00 2.7598E-01 2.6270E-01 2.3075E-02 1.5060E-01 2.3411E-01	1.5352E-01 2.5318E-04 2.411TE-000 2.3262E-00 2.3262E-00 2.3158E-02 2.3158E-02 2.3158E-02 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 2.4413E-01 2.3158E-00 3.4058E-01 2.413E-01 2.3158E-00 6.4058E-01 2.4158E-01 4.5462E-02 5.8855E-01 6.1598E-01 1.9676E-02 9.2652E-01 1.0055E-02 9.2652E-01	1.5097E-01 2.4905E-00 2.4306E-00 2.4307E-00 2.337E-00 0.23182E-00 2.412E-01 2.412E-02	
P/PIINF P/PIINF PIPINF RHO U V M UC VC MC VC MC VC VC MC VC VC MC VC VC MC MC VC MC	1.5097E-01 2.4996E-04 2.4306E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.4124E-01 0.0 0.44124E-01 0.0 0.44124E-01 0.0 0.44124E-01 0.0 0.4457E+01 0.0 0.4457E+01 0.0 0.4457E+01 0.0 0.4457E+01 0.0 0.4457E+01 0.0 0.4457E-02 0.4474E-01 0.4474E-02 0.4474E-02 0.4474E-02 0.4774E-02 0.477	1.53352E-01 2.5318E-04 2.4717E-00 2.32 82E-00 1.2138E-02 -0.5440E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-01 2.3158E-00 2.4895E-01 2.3158E-00 3.4058E-01 2.3158E-00 3.4058E-01 2.3158E-00 3.4058E-01 2.5775E-00 8.4058E-01 3.1943E-01 4.6462E-02 5.8855E-01 -6.1538E-01 -6.1538E-01 -6.1538E-01 -6.2538E-02 -6.2548E-02 -6.2538E-02 -6.2538E-02 -6.2538E-02 -6.2538E-02 -6.2538E-02 -6.2538E-02 -6.2538E-02 -6.2548E-02 -6	1. 6792E-01 2.7692E-04 2.7692E-04 2.7692E-04 2.3216E+000 2.3216E+000 2.3216E+000 2.3075E+00 2.3075E+00 2.3075E+00 2.7598E-01 2.3075E-02 1.5060E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.9715E-01	1.9417E-01 3.2021E-04 3.1261E-00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.165E+00 3.3355E-01 2.2925E+00 3.3355E-01 2.2925E+00 2.2487E-01 2.2925E+00 6.8665E+00 8.5243E+01 2.3915E-01 2.3915E-01 2.3115E-03 1.3535E-02 2.3169E-01 5.396E+00 6.3356E+00 6.3356E+00 6.3366E+00 6.346E+00 6	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 1.0120E+00 1.0120E-01 1.0120E-02 1.0120E-01	1.9417E-01 3.2021E-04 3.1261E-000 2.3145E+000 2.3145E+000 2.3145E+000 2.3145E+000 3.3353E-01 3.335E-01 3.335E-01 2.2972E-00 3.2287E-01 2.44718E-02 2.7015E-01 2.2972E-00 6.5865E+000 6.5982E+000 6.5398E+000 6.5388E+000 6.5388E+000 6.5388E+000 6.5388E+000 6.538	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3758E-01 2.9075E+00 2.7598E-01 2.9075E-02 2.6270E-01 2.3075E-02 2.5270E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.3411E-02 2.3410E-01 2.915E-01	1.5352E-01 2.5318E-04 2.4711TE-00 2.322EE-00 2.322EE-00 2.3158E-02 2.3158E-02 2.3158E-02 2.3158E-02 2.3158E-02 2.3158E-02 2.4235E-01 2.3158E-02 2.4413E-01 2.3158E-02 2.4413E-01 2.3158E-02 2.4413E-01 2.3158E-00 8.4058E-01 2.3158E-00 6.8058E-02 6.3718E-02 2.413E-01 2.3158E-00 6.8058E-02 1.5773E-01 2.1507E-02 9.2652E-01 1.0075E-02 9.2652E-01 1.0075E-02 9.2652E-06 6.9046E-03	1.5097E-01 2.4905E-00 2.4305E-00 2.3307E-00 0.3307E-00 0.1-2379E-02 0.2-3182E-00 2.4124E-01 2.4124E-01 2.4124E-01 2.4306E-11 2.4124E-01 2.4306E-11 -2.6306E-11 -7.084E-11 -7.084	
P/PIINF P/PIINF RHO U V H UC VC MC VCC WCC VX VY VZ PSINOR THETNOR XBAR XBAR ZBAR AN CROSS SH SH PI PI PI PI PI PI DPDZ DVDZ DVDZ DVDZ	1.5097E-01 2.4996E-04 2.4906E+00 1.9613E+00 2.9207E+00 0.2912EE+00 0.4912EE+00 0.4912EE+00 0.4912EE+00 0.4912EE+00 0.4059E+01 0.4059E+01 0.4059E+01 0.4059E+01 0.4059E-01 1.2531E-02 1.812E-02	1.53352E-01 2.5318E-04 2.4717E-00 2.32 62E-00 1.2158E-02 -6.5440E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-01 2.3158E-00 0.5775E-00 8.4058E-02 2.4113E-01 2.3158E-00 1.5775E-00 8.4058E-01 3.1943E-01 3.1943E-01 3.406E-03 1.2681E-02 5.7013E-00 1.975E-00 1.975E-02 5.7013E-00 1.9620E-01 1.0055E-02 9.2652E-01 1.0055E-02 9.855E-01 1.0055E-02 9.855E-01	1. 6792E-01 2.7692E-04 2.7035E+00 2.3218E+00 2.3218E+00 2.3218E+00 2.3015E+00 2.7598E-01 2.3015E+00 2.7598E-01 2.3015E+00 2.7598E-01 2.3015E+00 2.7598E-01 2.3015E-01 2.3015E-01 2.3015E-01 2.3015E-01 3.073E-02 3.734E+00 6.2538E-01 3.0053E-03 3.734E+00 6.7205E+00 3.1669E-01 2.1715E-02 2.1715E-02 2.7334E+00 3.1669E-01 2.9528E+01 2.6528E+01 2.6528E-02 2.3438E-04 4.8450E-02 2.6528E-02 2.3430E-01 4.8550E-02 2.3430E-01 4.8550E-02	1.9417E-C1 3.2021E-04 3.1261E+00 3.1655E+00 2.1145E+00 2.1145E+00 3.3355E-C1 2.2925E+00 3.3355E-C1 2.2925E+00 3.3355E-C1 2.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.392E-01 2.3715E-02 5.3904E+00 3.3982E-01 2.3715E-02 5.3904E+00 3.3982E-01 2.3715E-02 5.3904E+00 3.0821E-01 5.3962E-01 2.3115E-02 5.3904E+00 3.0821E-01 2.3115E-02 5.3904E+00 3.0821E-01 2.3176E-02 5.3040E+00 3.0821E-01 2.3176E-02 5.3176E-02 3.3176E-02 3.3176E-02 3.3176E-03 3.3176E-03 3.3176E-03 3.3176E-03 3.3176E-03 3.3176E-03 3.3176E-03	2.3604E-01 3.8925E-04 3.8002E+00 2.478IE+C0 2.3093E+00 2.478IE+C0 2.3795E+00 3.9207E-01 4.2416E-10 3.9207E-01 4.0425E-01 4.1155E-01 3.9207E-01 4.0425E-01 4.0425E-01 2.2759E-00 9.7746E-00 9.7746E-00 1.0120E-00 1.120E-00 1.120E-00 1.320E-01 1.0120E-00 1.326E-03 1.4274E-02 5.9226E-00 3.7864E-02 1.4905E-02 1.1905E-02 1.905E-03 9.2717E-01 9.2717E-01 5.9700E-10 -1.892E-03 9.2717E-01 -1.0892E-03 -5.6788E-04 -2.7176E-01	1.9417E-01 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1202E-04 3.235E-01 3.235E-01 3.235E-01 3.2287E-01 2.7615E-01 2.7615E-01 2.7625E+00 2.7615E-01 2.7700E-01 2.3115E-03 2.3125E-03 3.0821E-01 2.3125E-03 3.0821E-03 3.0821E-03 3.0821E-03 3.0821E-03 3.0821E-03 3.0821E-03 3.0821E-03 3.0821E-03 3.0821E-03	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.7598E-01 2.3075E+00 2.7598E-01 2.3075E-02 2.6270E-01 2.3075E-02 2.500E-01 2.3416E-01 2.3075E-02 3.7342E+00 6.2536E-01 3.9122E-01 4.874E-03 6.7205E-02 2.3175E-01 3.003E-03 2.9122E-01 4.874E-01 5.7134E+00 6.7205E+00 3.169E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.8450E-01	1.5352E-01 2.5318E-04 2.4117E-00 2.3262E-00 6.5440E-02 6.5440E-02 2.3158E-02 2.3158E-02 2.3158E-02 2.4235E-01 5.8968E-02 2.4135E-01 5.8968E-02 2.4135E-01 1.5775E-02 2.4113E-01 1.5775E-02 2.4158E-01 2.3158E-01 2.4235E-01 1.5775E-02 6.8655E-01 2.4096E-03 3.1943E-01 1.2671E-02 5.7013E-00 1.9620E-01	1.5097E-01 2.4996E-04 2.4906E-00 2.3907E-00 1.8613E-00 2.3307E-00 1.2379E-00 1.2379E-00 1.2379E-00 1.24724E-01 1.8258E-11 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 3.6982E-11 6.2065E-01 3.5988E-03 1.2531E-02 5.6946E-00 3.6737E-02 1.13331E-09 -3.1699E-04 -4.9828E-11	
P/PIINF P/PINF RHO U V W UC VC WCC VCC WCC VX VY VI PSINOR THETNOR XBAR VSBHLD VSAR VSHLD VSAR VSHLO ETA CROSSM SBAR PDROGAM PT/PTINF PT DUDZ DUDZ DVDZ DVDZ DVDZ DVDZ DVDZ DVDZ	1.5097E-01 2.4996E-04 2.4926E+00 1.9613E+00 2.92CTE+00 2.3102E+00 2.4124E-01 0.0 2.4124E-01 0.0 2.4124E-01 0.0 2.4124E-01 0.0 3.4C59E+C1 0.0 3.673E-02 3.193E-02 1.1331E-02 1.1316TE-02 1.1316TE-02 1.1316TE-02 1.131E-04 2.431E-01 1.246EE-14 3.193E-04	1.53352E-01 2.5318E-04 2.4717E-00 2.32 62E+00 1.2158E-02 -6.5440E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-01 2.3158E-00 1.5775E-00 8.4058E-01 3.17943E-01 3.1943E-01 3.4096E-03 3.1943E-01 3.4096E-03 1.2681E-02 5.7013E-00 1.975E-00 1.9620E-01 1.0095E-02 1.1507E-02 9.2652E-01 1.0095E-02 9.2652E-01 1.0095E-02 -7.9532E-05 9.8950E-06 6.9404E-03 -2.4104E-01 -3.6754E-02 -1.1256E-01	1. 6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3015E+00 2.7598E-01 2.3015E+00 2.7598E-01 2.3015E+00 2.7598E-01 2.3015E+00 2.7598E-01 2.3015E+00 2.7598E-01 2.3015E+00 2.3015E+00 2.3015E+00 2.3015E+00 2.3015E+00 2.3015E+00 2.3015E+00 2.3015E-01 3.0053E-03 2.9152E-01 3.0053E-03 3.1314F-00 2.7334E+00 3.1669E-01 2.1715E-02	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 3.3355E-01 2.2925E+00 3.3355E-01 2.2925E+00 3.3355E-01 2.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.2925E+00 3.392E-01 2.3715E-02 5.3982E-01 2.3135E-02 5.3982E-01	2.3604E-01 3.8925E-04 3.8002E+00 2.478IE+C0 2.3093E+00 2.478IE+C0 2.3795E+00 3.9207E-01 4.2416E-10 3.9207E-01 4.0425E-01 3.9207E-01 4.0425E-01 3.9207E-01 4.0425E-01 3.9207E-01 4.0425E-01 3.9207E-01 4.0425E-01 3.9207E-01 4.0426E-01 3.746E-00 6.324IE+00 3.7864E-02 6.457IE-02 6.457IE-03 6.478IE-03 6	1.9417E-01 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1202E-04 3.235E-01 3.235E-01 3.235E-01 1.9217E-01 2.7615E-01 2.7925E+00 6.8685E+00 6.8685E+00 6.7245E-01 2.7700E-01 2.1355E-02 5.8040E+00 3.0821E-01 5.1599E-01 2.1782E-02 5.8040E+00 3.0821E-01 5.1599E-01 2.1782E-02 2.1782E-03 3.042E-01 2.1782E-03 3.042E-01 2.1782E-03 3.042E-01 2.1782E-03 3.042E-01 2.1782E-03 3.042E-01 2.1782E-03 3.042E-01	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.7598E-01 2.3075E+00 2.7598E-01 2.3075E-02 2.6270E-01 2.3075E-02 2.5270E-01 2.3411E-01 2.3075E-02 3.7342E+00 6.2536E-01 3.9125E-01 3.003E-03 3.7342E+00 6.2536E-01 3.9125E-01 3.003E-03 6.7205E+00 3.169E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.840E-01 4.845E-02 6.2386E-05 8.0386E-05 8.0386E-05 8.0386E-05 4.8132E-02 -2.3430E-01 4.8152E-02	1.5352E-01 2.5318E-04 2.4117E-00 2.3262E-00 2.3262E-00 2.4265E-02 2.415E-02 2.4095E-01 2.4136E-01 2.4136E-01 2.4106E-01 2.4096E-03 2.4109E-01 2.57013E-00 2.7013E-00	1.5097E-01 2.4906E-00 2.4906E-00 2.3307E+00 2.3307E+00 1.2379E-00 1.2379E-00 1.2379E-00 1.24724E-01 1.8258E-11 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 2.4124E-01 3.6908E-01 7.0082E-11 6.2065E-01 3.5908E-03 1.2531E-02 5.6946E+00 3.6737E-02 1.13331E-09 -3.1699E-04 -3.1699E-04 -3.1699E-04 -3.1699E-04 -3.1699E-04 -3.1699E-04 -3.1699E-04 -3.1699E-04 -3.1699E-04 -4.9828E-11 -1.1580E-25	
P/PIINE P/PINE RHO U V M UC VC MC VC MC VC VC MC VC VC MC VC VX VY VI PSINOR THETNOR XBAR XBAR VBARLO CROSS A VBARLO CROSS A VBAR VBARLO CROSS A VBAR VBARLO CROSS A VBAR O	1.5097E-01 2.4996E-04 2.4306E+06 1.9613E+00 2.3162E+00 2.3162E+00 2.4124E-01 0. 0. 2.4124E-01 0. 0. 2.4124E-01 0. 0. 2.4124E-01 0. 0. 3.4653E+01 0. 0. 3.5989E-03 -5.265E-01	1.53352E-01 2.5318E-04 2.4717E-00 2.32 62E-00 1.2138E-02 -0.5440E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-01 2.3158E+00 2.4895E-01 2.3158E+00 2.4895E-01 2.3158E+00 3.4058E-01 2.3158E+00 3.4058E-01 2.5775E+00 8.4058E-01 3.1943E-01 4.6462E-02 5.70138E+00 6.8656E+00 6.8656E+00 6.8758E-01 1.0058E-02 9.2652E-01 1.0058E-02 9.2652E-01 1.0058E-02 9.2652E-01 2.0530E-02 9.2652E-01	1. 6.792E-01 2.7692E-04 2.7055E+00 2.3216E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3759E-01 2.30175E+00 2.7598E-01 2.30175E+00 2.3596E-01 2.30175E-02 1.5060E-01 2.30175E-02 1.5060E-01 2.30175E-02 1.5060E-01 2.30175E-02 1.5060E-01 2.30175E-02 1.5060E-01 2.30175E-03 3.7342E+00 3.7342E+00 3.7342E+00 3.7342E+00 3.7342E+00 3.7342E+00 3.7342E+00 3.7342E+00 3.7342E+00 3.7348E+00 4.8741E-01 2.9526E-03 2.915E-01 4.840E-02 2.8959E-01 2.6586E-05 8.0386E-04 1.0265E-02 2.3430E-01 4.8152E-02 1.301E-01 6.4610E-02	1.94172-C1 3.2021E-04 3.1261E-00 3.1261E-00 2.11655E+00 2.11655E+00 2.11655E+00 2.1165E+00 2.1165E+00 2.1262E-01 2.292E+00 3.3351E-01 2.292E+00 3.3351E-01 2.292E-00 2.7615E-01 2.292E-00 8.5241E-01 2.3115E-03 -1.353E-02 2.3762E-01 5.3962E-01 5.3962E-01 5.3962E-01 5.3962E-01 5.3962E-01 5.3156E-02 1.3156E-02 1.316E-02 1.316E-03 5.4176E-04 5.76(3E-04 1.786E-04	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 2.2759E+00 4.0422E-10 2.2759E+00 4.0422E-10 2.2759E-00 4.0422E-10 2.2759E-00 4.0422E-10 2.2759E-00 4.0422E-10 2.774E-02 6.3241E-00 6.3241E-00 6.3241E-00 6.3241E-00 6.3241E-01 6.3746E-02 6.4571E-02 6	1.9417E-01 3.2021E-04 3.1261E+000 2.3145E5+000 2.3145E5+000 2.3145E5+000 2.3145E000 2.3145E000 3.3355E-01 2.2025E+000 3.3355E-01 2.2025E+000 3.3355E-01 2.2025E+000 3.355E-01 2.2025E+000 8.5263E-01 2.315E-03 -1.3535E-03	1.6792E-01 2.7692E-04 2.7035E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.3758E-01 2.9075E+00 2.7598E-01 2.9075E-02 2.6270E-01 2.3075E-02 2.6270E-01 2.3075E-02 2.5270E-01 2.3411E-01 2.3075E-02 2.5270E-01 2.3411E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.3075E-02 1.5060E-01 2.3411E-01 2.455E-02 8.8590E-01 2.656E-05 8.0386E-04 1.0265E-02 4.8152E-02 1.3001E-01 -6.4610E-02 -1.3001E-01 -6.4610E-02	1.5352 E-01 2.5318E-04 2.4717E-00 2.3262E-00 2.3262E-00 2.3262E-00 2.3158E-02 2.3158E-02 2.3158E-02 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3159E-01 2.3159E-01 3.1943E-01 3.1943E-01 3.1943E-01 3.1943E-01 3.1943E-01 3.1943E-01 3.1945E-01 3.1945E-01 3.1955E-01	1.5097E-01 1.4906E-00 2.4906E-00 2.4906E-00 2.3307E-00 0.3307E-00 0.2.3182E-00 2.4124E-01 2.4124E-0	
P/PIINE P/PINE RHO U V M UC VC MC VCC MC VCC MC THETNOR RBAR RBARL VSHAN RBARL CROSSM PSHAN SBAR SBAR SBAR SBAR SBAR SBAR SBAR SBAR	1.5097E-01 2.4996E-04 2.4306E+06 2.3107E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.4124E-01 0.0 0.44124E-01 0.0 0.4457E+01 0.0 0.4457E-01 0.0 0.4457E-01 0.0 0.4457E-01 0.4457E-01 0.4457E-01 0.4457E-01 0.446E-14 0.447E-01	1.5352E-01 2.5318E-04 2.4717E-00 2.32 82E-00 2.186F-02 -0.5440E-02 2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-01 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 3.4058E-01 2.3158E-00 3.4058E-01 2.5775E-00 8.4058E-01 2.575E-00 8.4058E-01 1.5775E-00 8.4058E-01 2.5758E-01 -0.1576E-02 2.625E-01 1.0058E-02 9.2652E-01 1.0058E-02 9.2652E-01 1.0058E-02 9.2652E-01 2.0530E-02 9.2652E-01	1. 6.792E-01 2.7692E-04 2.7035E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3759E-01 2.30175E+000 2.7598E-01 2.30175E+000 2.7598E-01 2.30175E+000 2.37342E+000 3.7342E+000 3.7362E+01 3.6586E+01 3	1.9417E-C1 3.2021E-04 3.1261E-00 3.1261E-00 2.11655E+00 2.11655E+00 2.11655E+00 2.1165E+00 2.1165E+00 2.1262E-01 2.292E-00 3.3351E-C1 2.292E-00 2.2987E-C1 2.292E-00 2.2987E-C1 2.292E-00 2.2987E-C1 2.292E-00 2.2987E-C1 2.292E-00 2.57615E-C1 2.315E-C3 3.392E-O1 5.3982E-O1 5.3982E-O1 5.3982E-O1 5.3982E-O1 5.3982E-O1 5.3040E+00 6.388E+00 6.388E+00 6.388E+00 6.388E-00	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 1.0120E+00 9.000E+01 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 3.9241E+00 3.9241E+00 3.9241E+00 3.7864E-02 3.4746-02 3.7867E-01 5.9726E+00 3.7866E-03 5.9226E+00 6.3241E+00 3.7864E-02 6.4571E-02	1.9417E-01 3.2021E-04 3.1261E-000 2.3145E+000 2.3145E+000 2.3145E+000 2.3145E-000 2.3145E-000 3.3355E-01 2.2025E+00 3.3355E-01 2.2025E+000 3.3355E-01 2.2025E+000 6.505E-000 6.5	1.6792E-01 2.7692E-04 2.7692E-04 2.7692E-04 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.7598E-01 2.9075E+02 2.6270E-01 2.3075E-02 2.6270E-01 2.3411E-01 2.3410E-01 2.3410E-01 2.3410E-01 2.3410E-01 3.055E-02 3.1669E-01 4.8400E-02 8.8590E-01 2.6568E-05 8.0366E-05 4.10265E-02 4.1300E-01 4.8152E-02 1.300E-01 4.8152E-02 1.300E-01	1.5352 E-01 2.5318E-04 2.4717E-00 2.3262E-00 2.3262E-00 2.3262E-00 2.3158E-02 2.3158E-02 2.3158E-02 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 3.3777E-02 2.4235E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3159E-01 6.1598E-01	1.507E-01 1.4905E-00 2.4306E-00 2.4307E-00 2.3307E-00 03379E-02 03382E-00 2.4124E-01	
P/PIINE P/PINE RHO U V W W UC VC WCC VCC WCC VX VY VI PSINOR THETNOR XBAR XBALD YBAR CROSS W SHAR CROSS W SHAR PORDIGAM PT/PTINE PT DUD/ DUD/ DUD/ DVD/ DWO/ DSBO/ PP UP VP	1.5097E-01 2.4996E-04 2.4306E+06 2.3107E+00 2.3107E+00 2.3107E+00 2.3107E+00 2.4124E-01 0.0 0.44124E-01 0.0 0.4457E+01 0.0 0.4457E-01 0.0 0.4457E-01 0.0 0.4457E-01 0.4457E-01 0.4457E-01 0.4457E-01 0.446E-14 0.447E-01	1.53352E-01 2.5318E-04 2.4717E-00 2.32 62E+00 1.2158E-02 -6.5440E-02 -2.3158E-00 2.4895E-01 1.5368E-02 2.4235E-01 2.3158E-00 1.5775E-00 1.5775E	1. 6.792E-01 2.7692E-04 2.7035E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3216E+000 2.3759E-01 2.30175E+000 2.7598E-01 2.30175E+000 2.7598E-01 2.30175E+000 2.37342E+000 3.7342E+000 3.7362E+01 3.6586E+01 3	1.9417E-C1 3.2021E-04 3.1261E+00 2.1655E+00 2.1655E+00 2.1655E+00 2.1655E+00 3.3355E-C1 3.2925E+00 3.3355E-C1 2.2925E+00 3.2355E-C1 1.9221E-01 2.925E+00 6.8685E+00 6.8685E+00 6.745E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-02 5.3040E+00 3.0821E-01 2.3715E-01 2.3715E-02 5.3040E+00 3.0821E-01 2.3715E-02 5.3040E+00 3.0821E-01 2.3715E-02 5.3040E+00 3.0821E-01 2.3715E-02 5.3040E+00 3.0821E-01 2.3739E-02 5.3620E-02 1.1788E-03 2.4178E-01 2.7393E-02 -2.6236E-02 -2.6336E-01 -2.7393E-02 -5.6236E-02 -1.2630E-01 -1.2630E-01 -2.4440E-02	2.3604E-01 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 3.8925E-04 2.4781E+C0 2.3993E+00 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 3.9207E-01 1.0120E+00 9.000E+01 1.0120E+00 1.0120E+00 1.0120E+00 1.0120E+00 3.9241E+00 3.9241E+00 3.9241E+00 3.7864E-02 3.4746-02 3.7867E-01 5.9726E+00 3.7866E-03 5.9226E+00 6.3241E+00 3.7864E-02 6.4571E-02	1.9417E-01 3.2021E-04 3.1261E-000 2.3145E+000 2.3145E+000 2.3145E+000 2.3145E-000 2.3145E-000 2.3155E-010 2.2925E+000 3.3355E-01 2.2925E+000 3.3355E-01 2.2925E+000 6.5936E+000 6.5936E+00	1.6792E-01 2.7692E-04 2.7692E-04 2.7692E-04 2.3216E+00 2.3216E+00 2.3216E+00 2.3216E+00 2.7598E-01 2.9075E+02 2.6270E-01 2.3075E-02 2.6270E-01 2.3411E-01 2.3410E-01 2.3410E-01 2.3410E-01 2.3410E-01 3.055E-02 3.1669E-01 4.8400E-02 8.8590E-01 2.6568E-05 8.0366E-05 4.10265E-02 4.1300E-01 4.8152E-02 1.300E-01 4.8152E-02 1.300E-01	1.5352 E-01 2.5318E-04 2.4717E-00 2.3262E-00 2.3262E-00 2.3262E-00 2.3158E-02 2.3158E-02 2.3158E-02 2.3158E-00 2.4895E-01 2.3158E-00 2.4895E-01 2.3158E-00 3.3777E-02 2.4235E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3158E-00 6.4058E-01 2.3159E-01 6.1598E-01	1.507E-01 1.4905E-00 2.4306E-00 2.4307E-00 2.3307E-00 03379E-02 03382E-00 2.4124E-01	

	*** *** ***			ZETA= 2.50	C00C00E-02					
			I=3	I=4 .	1=5	[=6	[=7	1=8	I=9	1=10
P. P		2.7584E-02 1.5331E-01 2.53315E-04 2.4715E+00 2.3279E+00 6.1166E-03 -6.4102E-02 2.3152E+00 1.6694E-02 2.4443E-01 -5.9362E-02 2.3152E+00 1.6199E+01 3.4345E-01 2.4485E-01 2.3152E+00 1.6199E+01 3.4346E-02 -5.7895E-01 -6.0693E-01	3.0150E-02 1.6779E-01 2.7671E-04 2.7015E-00 1.9555E-00 2.3212E-00 -5.9061E-03 1.0731E-01 2.3067E-00 2.7829E-01 2.3036E-02 2.6501E-01 -9.3039E-02 2.3507E-00 3.7944E-00 6.2160E-01 2.1552E-01 -4.7959E-01 -4.7959E-01	3.4856E-02 1.9398E-01 3.1989E-04 3.1231E+00 2.1614E+00 2.1614E+00 2.1348E-03 -1.0773E-01 2.2918E+00 3.3685E-01 4.4892E-02 2.7913E-01 -1.9384E-01 2.2918E+00 6.9441E+00 8.5201E-01 2.2925E-01 -2.923E-01	4 2434E-02 2 3 3615E-C1 3 .8944E-04 3 .8021E+00 2 2 470E+00 2 3074E+00 2 3074E+00 2 2 7751E+00 3 .2059E-10 3 .3064E-10 3 .9649E-01 3 .3044E-10 3 .9649E-01 3 .1347E-10 9 .8859E+00 9 .800E+01 1 .000E+00 1 .000E+00 1 .000E+00	3.4856E-02 1.9398E-01 3.1939E-04 3.1231E-00 2.1014E-00 2.3143E-03 1.0773E-01 2.2918E-00 3.3665E-01 -4.4892E-02 2.7913E-01 1.2938E-01 6.9441E+00 6.9441E+00 8.5201E+01 8.8223E-01 2.9252E-01 5.3081E-01	3.0150E-02 1.6779E-01 2.7671E-04 2.7671E-04 2.7015E-00 1.9585E-00 2.3212E+00 2.3212E+00 2.305FE-00 2.7829E-01 2.305FE-00 2.3501E-01 9.3039E-02 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3501E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 3.7944E+00 6.4182E+01 6.2166E-01 2.755E-01 5.8902E-01	2.7584E-02 1.5351E-04 2.5315E-04 2.4715E-00 0.18617E-00 2.3279E+00 0-6.1165E-03 6.4102E-02 2.3152E-00 1.6654E-02 2.4443E-01 5.9362E-02 2.4443E-01 2.3152E+00 1.6199E-90 1.6199E-90 3.1747E-01 2.4365E-01 3.1747E-01 2.4365E-01 6.0653E-01	2.7133F-02 1.5100E-01 2.4902E-04 2.4311E+00 1.8616E+00 2.330TE+00 -6.2399E-03 0.0 2.330E-01 1.2536E-11 2.4318E-01 4.5528E-13 2.4318E-01 2.4318E-01 2.4318E-01 -7.0300E-10 6.401E+01 -7.0241E-11 6.1032E-01 6.1032E-01	I=10
ETA G DE GNS AM CACOSSM SABAR PORDGAM PT/PTINF PT BERNOUL DP DZ OUDZ DWDZ DWDZ DWDZ DWDZ DSBDZ PP UP WP MP SSARP	1.794E-03 5.6316E-00 6.9146E-00 1.8517E-02 9.552E-02 1.1347E-02 9.552E-03 1.456E-02 1.456E-04 1.	1.7048E-03 -6.3309E-03 5.6349E+00 6.8543E+00 1.8952E-01 3.4738E-02 9.1682E-01 9.9897E+01 -1.1250E-04 1.1250E-04	1.507FE-03 5.6579E-00 6.7096E-00 6.7096E-01 5.2711E-02 8.7654E-01 1.1765E-02 8.7654E-01 1.0139E-03 2.2316E-02 -2.3570E-01 -8.2406E-02 -1.3109E-03 6.4206E-02 -1.3109E-01 8.8968E-04	1.1557E-C3 5.6855E+00 3.0441E-01 5.9749E-02 1.1848E-02 8.6125E-01 6.6374E-04 6.6374E-04 7.3582E+01 6.6374E-04 7.3582E+01 7.3504E-02 7.442E-01 7.7468E-02 1.3627E-01 1.2744E-02 1.2628E-01	1.C268E-03 7.C847E-03 5.7446E+00 1.9091E-02 1.4909E-02 1.4909E-02 8.5093E-01 9.2717E-01 5.6463E-04 -2.8635E-04 4.6698E-09 -2.7666E-01 4.6698E-09 7.3261E-09 -5.4115E-08 2.2599E+00 -3.1422E-08	1.1597E-03 5.6859E+00 6.5362E+00 03.0441E-01 5.9749E-02 1.1848E-02 8.6125E-01 9.3842E+01 6.6374E-04 1.5518E-03 9.3091E-03 7.7446E-02 -1.3627E-01 1.2183E-01 1.2183E-01 1.2184E+00	1.5027E-03 5.6550E+00 5.6550E+00 2.1034E-01 5.2711E-07 1.1765E-02 8.7654E-01 1.1078E-04 1.0133E-03 2.2316E-02 2.2316E-02 6.2406E-02 1.3109E-01 -6.4208E-02 1.3109E-01 -6.8955E-04	1.7048E-03 6.3309E-03 5.6349E+00 6.8543E+01 1.8953E-01 7.4739E-02 9.1682E-01 1.9857E+01 -1.1250E-04 1.6924E-04 1.9393E-02 -2.4318E-01 7.8223E-02 -2.5259E-02	1.7994E-03 5.6316E+00 5.6316E+00 1.8517E-02 9.5525E-01 1.367E-02 9.5525E-01 1.3458E-03 1.6569E-04 -4.4912E-04 -2.4713E-01 -8.2469E-11 2.6878E-25 -2.4548E-15 1.2145E-15 1.2145E-01	
	I=1	1=2	I=3 .	I=4	1=5	I=6	I=7	I≈8	I = 9	I=10
P. P	2.71395-02 2.151016-01 2.49036-04 2.49136-06 2.39076-06 3.13686-03 3.13686-03 3.13686-03 3.13686-03 3.13686-03 3.13686-03 3.13686-03 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2-7581E-02 1-5330E-01 2-5313E-04 2-4713E+00 2-3276E+00 2-3276E+00 3-30694E-03 3-0694E-03 2-3199E-01 1.8001E-02 2-4565E-01 -5.8962E-02 2-4565E-01 1.6569E-00 1.6569E-00 1.6569E-00 3-1650E-01 3-1650E-01 3-1650E-01 3-1650E-01 3-1640E-03 5-005E+00 1.8469E-01	3.0137E-02 1.677E-01 2.7659E-04 2.7003E+00 2.3208E+00 2.3208E+00 2.3208E+00 2.3208E+00 2.7566E-03 -1.0607E-01 2.3061E+00 2.7943E-01 2.3061E+00 2.7943E-01 2.3061E+00 3.9147E-02 2.6635E-01 2.3061E+00 3.9147E-02 1.5457E-01 2.3061E+00 6.4792E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.5256E-03 3.630E-00 6.7002E+00 6.7002E+00 6.7002E+00 6.7002E-00 6.893E-01 5.6288E-02 6.893E-01 5.6288E-02 6.893E-01 2.1148E-04 2.1148E-04 2.1148E-03 2.23615E-01	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1588E+00 2.3142E+00 3.3653E-01 2.2914E+00 3.3653E-01 2.2914E+00 3.3653E-01 2.2914E+00 3.3653E-01 2.2914E+00 6.9841E+00 6.9841E+01 7.3926E-01 7.3298E-04	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E+00 2. 3792E+00 2. 3792E+00 2. 3792E+00 3. 4979E-01 3. 4979E-01 3. 4978E-01 3. 4979E-01 3. 4979E-01 4. 4366E-04 1. 436	3.4835E-02 1.9346E-01 3.1970E-04 3.1212E+00 2.3142E+00 2.3142E+00 3.30741E-03 3.0741E-03 3.0741E-03 3.0741E-03 3.2741E-04 3.122410 3.2741E-04 3	3.0137F-02 1.6772E-01 2.7659E-04 2.7003E+00 2.3208E+00 2.3208E+00 2.3208E+00 2.3208E+00 2.7956E-03 1.0667E-01 2.3001E+00 2.7943E-01 2.3001E+00 2.7943E-01 2.3001E+00 2.3047E-02 2.6635E-01 2.3061E+00 6.3047E-02 1.6675E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.6675E-01 1.75134E-04 1.7509E-01 1.6675E-01 1.6675E-01 1.75134E-04 1.75476E-01 1.75134E-04 1.75476E-01 1.75134E-04 1.75476E-01 1.75134E-01 1.75134E-04 1.75476E-01 1.75134E-01	2.7581E-02 1.53760E-01 2.5313E-04 2.4713E-00 2.3276E-00 2.3276E-00 3.0664E-03 6.2781E-02 2.3147E-00 2.3159E-01 1.8051E-02 2.4365E-01 5.8962E-02 2.4366E-01 2.3147E-00 1.6565E-00 3.1650E-01 2.6576E-02 5.7415E-01 6.0256E-03 6.0256E-03 6.0256E-03 6.026E-03 7.1660E-03	2.7135E-02 1.5101E-01 1.5101E-01 1.8617E-02 2.4903E-04 2.4313E-00 2.3317E+00 2.3317E+00 2.3317E+00 2.3179E+00 2.4418E-01 2.4418E-01 2.3029E-13 -2.8403E-11 2.4418E-01 2.3179E+00 6.70407E-10 8.3986E+01 7.0020E-11	

			i	ZETA= 0.						
	[=]	t=2	[=3	1=4	I=5	1=6	I=7	I=8	1=9	t =1,0
p	2.7135E-02	2.7578E-02	3.01236-02	3.4812E-02	4.2441E-02	3.4812E-02	3.0123E-C2	2.7578E-02	2.7135E-02	
P/ROASTSQ		1.5348E-01			2.3619E-01		1.6764E-01	1.5348E-01	1.5101E-01	
P/PTINF	2.4904E-04	2.5310E-04	2.7645E-04	3.1949E-C4	3.8951E-04	3.1949E-04	2.7645E-04	2.5310E-04	2.4904E-04	
P/PINE	2.4313E+CC	2.4710E+00	2.6990£+00	3.1192E+00	3.8027E+00	3.1192E+00	2.6990E+00	2.4710E+00	2.4313E+00	
RHD	1.8012E+C0	1.8222E+00	1.9408E+00	2.1521E+00	2.4793E+00	2.1521E+00		1.82225+00	1.8012E+00	
U	2.3266E+00	2.3253E+00	2.3204E+00			2.3144E+00		2.3253E+00	2.3266E+00	
٧			-3.1874E-C6 -				-3.1789E-06		3.7657E-06	
W	-1.3?25E-13 ·	-5.7929E-02			3.0585E-09	1.1609E-01		5.7929E-02 ·	-4.1893E-13	
UC	2.3:37E+CC				2.2743E+00		2.3054E+00	2.3121E+00	2.3137E+00	
VC.	2.4478E-01		2.8057E-01		4.0102E-01			2.5280E-01	2.4478E-01	
MC	-1.3183E-13		4.0118E-02				-4.0118E-02		1.7807E-11	
VCC		2.4775E-01			4.0102E-01			2.4775E-01	2,4478E-01	
	-1.3225E-13 -				3.0585E-09			5.5216E-02 ·		
	-1.3225E-13				4.0102E-01		1.55936-01	7.1791E-02		
VY	-2.4478E-C1 ·				3.0512E-09	2.0236E-01			2.44 78E-01	
٧Z	2.3:37E+CC				2.2743E+00	2.2919E+00	2.30546+00	2.3121E+00	2.3137E+00	
PSINOR	-3.2751E-12		3.8695E+00	6.8653E+00				1.7784E+00 ·		
THETNOR	8.3961E+C1		8.4152E+01		9.0000E+01		8.4152E+01		8.3961E+01	
XBAR	J.	3.1552E-01	6.1784E-01		1.0000E+00			3.1552E-01 ·		
KBHLD			-6.9800E-11 ·							
	-6.0COOE-01 -						4.71785-01		\$ .0000E-01	
	-6.0000E-01						6.0000E-01	6.0000E-01	6.0000E-01	
ETA	0.	с.	0.	C.	0.	0.	0.	C.	0.	
	-3.1464E-03 ·									
DEQNS	5.5589E+C0	5.6005E+00			5.6551E+00		5.6084E+00	5.6005E+00		
AM	6.7511E+CO	6.7737E+00	6.6795E+00		6.3235E+00	6.5274E+00	6.6795E+00	6.7737E+00	6.7911E+00	
CROSSM	3.8603E-13	1.6870E-01	3.02146-01		8.3748E-09	3.2700E-01	3.0214E-01	1.68708-01	1.2228E-12	
SBAR	6.4571E-C2			6.4571E-02		6.4571E-02	6.4571E-02	6.45718-02	6.4571E-02	
POROGAM		1.1905E-02		1.1905E-02		1.1905E-02	1.1905E-02	1.19C5E-02	1.1905E-02	
PT/PTINF	9.5093E-01	8.5093E-01	8.50936-01	8.5053E-01		8.5093E-01	8.5093E-01	8.50938-01	8.5093E-01	
PT	9.2717E+01			9.2717E+C1		9.2717E+01		9.27176+01	9.2717E+01	_
	-2.3570E-12		-2.8993E-10							
	-2.5396E-01									
7.690			1.20576-03							
	-4.2624E-16									*
	-1.3225E-13									
WP	-1.1248E+GC	-1.0039E+00	-5.59852-01	1.0039E+00	2.2445E+00	1.0039E+00	-5.5985E-01	-1.00396+00	-1.1248E+00	
				WINDWARD LINE	ZETA LIMIT					
U	RHC	s	POROGAN	uc	vc	WC	٧x	· VY	٧z	PT/PT INF
2.33076+00	1.9617E+00	1 - 8 31 2F = 0 2	1-1367E-02	2.3178F+CC	2.4521F-01	4.2057F-16	. 0.	-2.4521E-01	2.31786+00	9.5525E-01
				LEEWARD LINE						
		_								07/07/05
U	PHO	S	POROGAP	UC	vc	WC	٧x	VY	<b>V</b> Z	PT/PTINF
2.33078+00	1.8617E+00	1.83126-02	2 1.1367E-02	2.3178E+0C	2.4521E-01	1.9258E-11	-2.8526E-11	2.4521E-01	2.3178E+00	9.5525E-01
•				FCRCE CDE	FF1C1ENTS					

CZ= 4.23665934F-CZ CY= -1.11726977E-09 CD= 4.23665934E-02 CL= -1.11726977E-09 YBAR= 1.95010.71E-1C ZBAR= 6.6666567E-01 CM= 7.53108427E-10

## Input Cards for Second Sample Case

```
80000000+01 1400000+01 60000000+00 10000000+02 00000000+00
9 2 1 1 2 2 0 1 0 0
00000000+00 40000000+01 10000000+00 20000000+01 25000000+00

1.

.001 .03

7.19752927E-02 6.8191.7142E-02 6.01069560E-02 4.62292520E-02 4.10711895E-02
4.62292519E-02 6.01069567E-02 6.8191.7151E-02 7.19752935E-02
```

## Conical Flow About Elliptic Cones by the Method of Lines

#### With Incrementation of a Parameter

IMACH= 8.0	_C. 00C00000E+00	CAMMA= 1.	4G000000E+00	T= 6.000	0000E-01 TH		DOCÇÕE+Õ1 A			
ANGLE=" "0%"										
									2.50000000	
CYCLE= 1 '	v1651= 1.00	CC0000E-03	VMAX= 8.35C	45244E-GE A	AST= 4.2389	5624E-01 PT	INF= 1.0896	0426E+02	:	
TEST= 1.00	000000E-03	VTEST1: 3.	CC0000000E-02							
2E= C									-	
LOPE= 1.CO COUNT= 1	00C000CE+00	*TRANSF= 1 25045244E-06	S EPSIG= 1.	ccacccace-03	SPACER= 1	.00000000E-C	3 VMXTEST=	1.13847636E	-01	
				SCPPA	IRY PRINT BLO	CK			• • -	
	1=1	1=2	I = 3	1=4	I =5	I =6	1=7	. 1=8	T=9	1-10
SID -	~9.0000E+C1	-6.1006E+01	-3.7365E+01	-1.8178E+C1	-1.0489E-C9 -1.4014E-09	1.8178E+01	3.7365E+01	6.10C6E+01	9.0000E+01	
0	0.	5.5635E-02	1.0854E-01	1.5468E-01	1.7633E-01 -3.2281E-12	1.5468E-01	1 08645-01	5.5635E-02 1.0039E-01	-1.2308E-11 1.0580E-01	
OBAR	0.	3.1552E-01	6.1784E-01	e.7723E-01	1.0000E+00 -1.8308E-11	8.7723E-01	6.1784E-01 4.7178E-01	1.0039E-01 3.1552E-01	-6.9800E-11 6.0000E-01	
s	0.	6.9525E-02	1.3565E-01 -1.3875E-C1	1.9024E-01	2.1901E-01	1.9024E-01 8.2603E-02	1.3565E-01 1.3875E-01	6.9525E-02	-1.5445E-11	
SBAR	C.	3.9425E-G1	7.6932E-01 -7.8687E-01	1.0789E+00	1.2421E+00	1.0789E+00 4.6846E-01	7.6932E-01 7.8687E-01	3.9429E-01	-0.7593E-11	
TAS	7.1975E-02	6.8192E-C2	6.01C7E-G2	4.6229E-C2	4.1071E-02	4.6229E-02	6.0107E-02	1.0280E+01	7-1975E-02	
ETAD J	1.0163E+01		1.1129E-01	1.6694E-01	1.2353E+01 2.2258E-01	1.1500E+01 2.7823E-01	1.0825E+01 3.3388E-01	3.8952E-01	4.4517E-01	-
PSHOCK PBODY	2.5850E-02 3.1948E-02	2.7038E-02 3.2841E-02	3.2748E-02 3.7953E-02	4.02C5E-C2 4.7349E-02	5.0240E-C2 6.2557E-C2	4.0205E-02 4.7349E-02	3.2748E-02 3.7953E-02	2.7038E-02 2.2841E-02	2.5850E-02 3.1948E-02	
I TAI		Хl	xc		r <b>o</b>	ETAS	ETASP			
1 0.	0.		0.		,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			C-14	-	
2 5.5646	CSS7E-02 5.	5646C997E-02	2 5.56348315	E-C2 -1.CC39	1977E-01 6.	81917142E-02	-1.09298214	E-C1		. ,
4 1.6653	2159E-01 1. 8299E-01 1.	11292199E-01 66938299E-01	l 1.08942518 l 1.54678616	E-01 -8.2187 E-01 -5.0790	764C3E-02 6. 138C3E-02 4.	01069560E-02 62292520E-02	-2.16839987 -1.95167422	E-01 E-01	:	
5 2.2258	4399E-01 2. 10458E-01 2.	22584359E-01 78230458E-01	l 1.7632658C l 1.54678616	E-01 -3.2281 E-01 5.0790	l2€10E-12 4.	10711895E-02 62292519E-02 01069567E-02	-2.24633824	E-G9		
	655BE-01 3.	33876558E-C1	l 1.CE942518 l 5.56348315	E-C1 8.2187	164C3E-02 6. 11577E-01 6.	01069567E-02 81917151E-02	2.16839998	E-01		
			1 -1.23075942			19752935E-02	-1.87734140	E-14		- '
								*		
									•	
				ZETA= 0.						
	1=1	I=2 .	[=3	ZETA= 0. 1=4	1=5	1=6	1=7	l=8	I=9	i÷10 .
/ROASTSC	2.71358-02	2.7581E-02	1=3 3.0137E-02	1=4 3.4835E-G2	4.2439F-02	3-4835F-02	1=7 3-01376-02	(=8 2.7581F=02	2.7135F+02	1-10
/PTINE	2.7135E-02 1.5101E-01 2.4903E-04	2.7581E-02 1.535CE-01 2.5313E-C4	1=3 3.0137E-02 1.6772E-01 2.7659E-04	1=4 2.4835E-C2 1.9386E-01 3.1570E-C4	4.2439E-02 2.3618E-01 3.8949E-04	3.4835E-02 1.9386E-01 3.1970E-04	1=7 3.0137E-02 1.6772E-01 2.7659E-04	I=8 2.7581E-02 1.5350E-01 2.5313E-04	2.7135E-02 1.5101E-01 2.4903E-04	I=10
/PTINF /PINF HO	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.8223E+00	1=3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00	1=4 2.4835E-C2 1.9386E-O1 3.1570E-C4 3.1212E+C0 2.1531E+00	4.2439E-02 2.3618E-01 3.8949E-04 3.8025E+00 2.4792E+00	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00	1=8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00	I=10
PTINE PINE 10	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00 2.3266E+00 3.7637E-06	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.8223E+00 2.3253E+00 -5.7657E-C7	1=3 3.0137E-02 1.6772E-01 2.7659E-C4 2.7003E+00 1.9414E+00 2.3204E+00 -3.1852E-C6	1=4 2.4835E-C2 1.9386E-01 3.1570E-C4 3.1212E+C0 2.1531E+00 2.3144E+00 -1.11C3E-06	4.2439E-02 2.3618E-01 3.8949E-04 3.8025E-00 2.4792E+00 2.3094E+C0 8.3505E-06	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E-00 2.1531E+00 2.3144E+00 -1.1125E-06	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 -2.3204E+00	1=8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00 2.3233E-07	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00 2.3266E+00 3.7653E-06	i=10
PTINF PINF	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00 2.3266E+00 3.7637E-06 -7.8674E-14	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.8223E+00 2.3253E+00 -5.7657E-C7 -5.8164E-02	1=3 3.0137E-02 1.6772E-01 2.7659E-C4 2.7003E+00 1.9414E+00 2.3204E+00 3.1852E-C6 -1.0510E-01	1=4 2.4835E-C2 1.9386E-01 3.1570E-C4 3.1212E+C0 2.1531E+C0 2.3144E+00 -1.1103E-06	4.2439E-02 2.3618E-01 3.8949E-04 3.8025E+00 2.4792E+00 2.3094E+C0 8.3505E-06 1.9027E-09	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.3144E+00	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00	1=8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00 2.3233E-07	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00 2.3266E+00 3.7653E-06	i=10
PTINF PINF 10	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00 3.7637E-06 -7.8674E-14 2.3137E+00 2.4478E-01	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.8223E+00 2.3253E+00 -5.7657E-C7 -5.0164E-02 2.3121E+C0 2.5280E-C1	1-3 3.0137E-02 1.6772E-01 2.7659E-C4 2.7003E+00 1.9414E+00 2.3204E+00 -3.1652E-C6 -1.0510E-01 2.3054E+C0 2.8057E-01	1=4 3.4835E-C2 1.9386E-O1 3.1570E-C4 3.1212E+C0 2.3144E+00 -1.1103E-06 -1.1583E-O1 2.2918E+00 3.4036E-C1	4.2439E-02 2.3618E-01 3.8749E-04 3.8025E+00 2.4792E+00 2.3094E+C0 8.3505E-06 1.5027E-C9 2.2743E+00 4.0102E-01	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.3144E+00 -1.1125E-06 1.1583E-01 2.2918E+00 3.4036E-01	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E-00 1.9414E-00 2.3204E-00 1.0510E-01 2.3054E-06 2.8657E-01	1-8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E-00 1.8223E+00 2.3223E+07 5.8164E-02 2.3121E-00	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 1.8012E-00 2.3266E-00 3.7653E-06 -4.0107E-13 2.3137E-00 2.4478E-01	i=10
PTINE PINE HO	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 1.8012E+00 3.7637E-06 7.8674E-14 2.3137E+00 2.4478E-01 7.8254E-14	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.6223E+00 2.3253E+00 -5.7657E-C7 -5.6164E-02 2.3121E+C0 2.5280E-C1 2.2537E-02 2.4767E-01	1-3 3.0137E-02 1.6772E-01 2.7659E-C4 2.7003E+00 1.9414E+00 2.3204E+00 3.1652E-C6 -1.0510E-01 2.3054E+C1 4.0087E-02 2.6755E-01	1=4 2.4835E-C2 1.9386E-01 3.1570E-C4 3.1212E-C0 2.1531E+00 2.3144E+00 -1.11.03E-06 -1.1583E-01 2.2918E+00 3.6036E-C1 3.6807E-02 3.2555E-C1	4.2439E-02 2.3618E-01 3.8025E+00 2.4792E+00 2.3094E+C0 6.3505E-06 1.5027E-C9 2.2743E+00 4.0102E-01 1.9157E-09 4.0102E-01	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.3144E+00 -1.1125E-06 1.158E-01 2.2918E+00 3.4036E-01 -3.6807E-02 3.2555E-01	1-7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 3.1785E-06 1.0510E-01 2.3054E+00 2.8657E-01 -6.0087E-02 2.6755E-01	1=8 2.7581E-02 1.5350E-01 2.3313E-04 2.4713E-00 1.8223E+00 2.3253E+07 5.6164E-02 2.3121E-00 2.5280E-01 -2.2536E-01 -2.2536E-01	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 1.8012E-00 2.3266E-00 3.7653E-06 -4.0107E-13 2.313TE-00 2.4478E-01 1.7825E-11 2.4478E-01	i=10
PTINE PPINE HO	2.7135E-O2 1.5101E-O1 2.4903E-O4 2.4913E+O0 1.8012E+O0 3.7637E-O6 -7.8674E-14 2.3137E+O0 2.4478E-O1 -7.8674E-14 2.6478E-O1 -7.8674E-14	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.0223E+00 2.3253E+00 -5.7657E-C7 -5.0164E-02 2.3121E+C0 2.5280E-C1 2.2537E-02 2.4767E-01 -5.544CE-62 7.1561E-02	[-3 3.0137E-02 1.6772E-01 2.7659E-C4 2.7003E-00 1.9414E+00 2.3204E+00 3.1822E-C6 -1.0510E-01 4.0087E-02 2.6755E-01 -9.3497E-02 1.5591E-01	1-4 2.4835E-C2 1.9386E-01 3.1670E-C4 3.1212E-02 2.1531E-00 2.3134E-00 3.4036E-C1 3.6807E-02 3.2555E-C1 -1.0589E-C1	4.2439E-02 2.3618E-01 3.8025E+00 2.4792E+00 2.3094E+C0 8.3505E-06 1.5027E-C9 2.2743E+00 4.0102E-01 1.9157E-09 4.0102E-01 1.9027E-09	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 -1.1125E-06 1.1583E-01 2.2918E+00 3.4036E-01 3.6807E-02 3.2555E-01 1.0589E-01 2.7627E-01	1=7 3.01376-02 1.67726-01 2.76591-04 2.70038-00 1.94164-00 2.32046+00 2.317856-06 1.0510E-01 2.30546+00 2.86576-01 4.00876-02 2.67556-01 9.34976-02	1=8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00 2.3223E+07 5.8164E-02 2.3121E+00 2.5280E-01 2.2536E-02 2.4767E-01 5.5440E-02 2.4767E-01	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E-00 1.8012E-00 3.7653E-06 -4.0107E-13 2.3137E-00 2.4478E-01 1.7825E-11 2.4478E-01 -4.0135E-13 -2.8075E-11	i=10
YPTINE HO	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 1.8012E-00 0.3766E+00 3.763TE-06 2.3137E+00 2.4478E-01 7.8254E-14 2.4478E-01 -7.8674E-14 -7.8674E-14	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.8223E+00 -5.765TE-C7 -5.8164E-02 2.3121E+00 2.5280E-C1 2.2531E-00 2.5476TE-01 7.1561E-02 -2.4351E-01 2.3121E+00	1-3 3.0137E-02 1.6772E-01 2.7659E-02 2.7003E+00 1.9414E+00 -3.1812E-05 -1.0510E-01 2.3054E-00 4.0087E-02 4.0087E-02 4.4087E-02 1.5551E-01 -2.369E-01 -2.369E-01	1-4 2.4835E-C2 1.9386E-C1 3.170E-C4 3.1212E+C0 2.1314E+C0 -1.1103E-C6 -1.1583E-C1 2.2918E+C0 2.2555E-C1 -1.0589E-C1 2.7627E-C1 -2.0217E-C1 -2.0217E-C1	4.2439E-02 2.3618E-01 3.8025E+00 2.4792E+00 2.3094E+00 8.3505E-06 1.9027E-09 4.0102E-01 1.9157E-09 4.0102E-01 1.9027E-09 4.0102E-01 1.9027E-09 2.2743E+00	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.3144E+00 -1.1125E-06 1.1583E-01 2.2918E+00 3.4036E-01 3.4036E-01 2.3607E-02 3.2555E-01 2.7627E-01 2.0217E-01 2.2218E+00	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 3.1785E-04 1.0510E-01 2.3054E+00 9.347E-02 4.0087E-02 1.5591E-01 2.3054E+00	[=8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00 -2.923E-07 5.8164E-02 2.5280E-01 2.5280E-01 2.5280E-01 2.5280E-02 2.4767E-01 5.5440E-02 2.4351E-02 2.4351E-02	2.1135E-02 1.5101E-01 2.4903E-04 2.4903E-06 1.8012E-00 1.8012E-00 3.7653E-06 4.0107E-13 2.3137E-00 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-02 2.3137E-00	i=10
PTINF PINF 40 CC CC CC	2.7135E-02 1.5101E-01 2.4903E-04 2.4933E-00 1.8012E+00 1.8012E+00 3.7637E-06 7-8674E-14 2.3137E-00 7-7.8574E-14 7-7.8674E-14 7-7.8674E-14 7-7.8674E-14 2.4478E-01 1.23137E+00 1.23137E+00 1.23137E+00	2.7581E-02 1.535CE-01 2.5313E-C4 2.4713E+00 1.8223E+00 -5.765TE-C7 -5.8164E-02 2.3121E+00 2.5280E-C1 2.2531E-00 2.5476TE-01 7.1561E-02 -2.4351E-01 2.3121E+00	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 3.18:2E-06 -1.0510E-01 2.3054E+00 2.8057E-01 2.4057E-02 1.5551E-01 1.5591E-01 2.3054E+00 2.3054E+00 2.3054E+00 2.3054E+00 2.3054E+00 2.3054E+00 2.3054E+00	1-4 2.4835E-C2 1.9386E-01 3.1670E-C4 3.1212E-00 2.1531E+00 -1.1103E-06 -1.1583E-01 2.2918E+00 3.4036E-C1 3.6807E-C2 3.2555E-C1 -1.0589E-C1 2.7027E-C1	4. 2439E-02 2. 3618E-01 3. 8025E-04 3. 8025E-06 2. 4792E+00 2. 3094E+00 8. 3505E-06 1. 9027E-09 4. 0102E-01 1. 9127E-09 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 9027E-09	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.3144E+00 -1.1125E-06 1.1583E-01 2.2918E+00 3.4036E-01 3.4036E-01 2.3607E-02 3.2555E-01 2.7627E-01 2.0217E-01 2.2218E+00	1=7 3.01376-02 1.67726-01 2.76596-04 2.70036+00 1.94146+00 3.17856-06 1.05106-01 2.30546+00 2.80576-01 4.00876-02 2.67556-01 2.34976-02 1.55916-01 2.36696-01	1-8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E-00 1.6223E-00 2.3253E-00 2.3253E-00 2.3253E-00 2.5280E-01 2.535E-02 2.476TE-01 2.536E-02 2.475E-01 2.5546E-02 7.1561E-02 2.4351E-01 2.3121E+00	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E+00 1.8012E+00 3.7053E-06 4.0107E-13 2.3266E+00 3.7053E-06 4.0107E-13 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01	i=10
PTINF PPINF OO  C C C S S S S S S S S S S S S S S S	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 1.8012E+00 3.7637E-06 7.8674E-14 2.3137E-00 2.4478E-01 -7.8674E-14 2.4478E-01 -7.8674E-14 2.4478E-01 2.4337E-00 1.5483E-01 2.3137E-00	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E+00 1.8223E+00 -5.7657E-C7 -5.8164E-02 2.3121E+00 2.5280E-02 2.4707E-01 -5.546CE-02 7.1561E-01 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.31552E-01	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 3.18:2E-06 -1.0510E-01 2.3054E+00 2.8057E-01 2.3054E+00 2.8057E-01 2.3054E+00 2.8057E-02 2.6559E-01 2.3054E+00 3.8688E+00 8.4152E+01 6.1784E-01	1-4 2.4835E-C2 1.9386E-G1 3.1570E-C4 3.1212E+00 2.3131E+00 2.314E+00 1.1103E-06 -1.1593E-01 2.2918E+00 3.4036E-C1 2.2918E+00 2.3255E-C1 2.727E-C1 2.2918E+00 6.4735E+00 6.4735E+00 6.4735E+00 6.4735E+00	4. 2439E-02 2. 3018E-01 3. 8949E-04 3. 8025E+00 2. 4792E+00 2. 4792E+00 6. 3505E-06 1. 9027E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 6953E-09 2. 2743E+00 2. 0000E+01 5. 0000E+01	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.1531E+00 2.1515E-06 1.1125E-06 1.1531E-01 2.5918E+00 3.4036E-01 3.4036E-02 3.2555E-01 2.7627E-01 2.7627E-01 2.7627E-08 6.6735E+00 8.4995E+01 8.4995E+01	1=7 3.01376-02 1.67726-01 2.76596-04 2.70036+00 1.94146+00 -3.17856-06 1.05106-01 2.30546+00 2.80576-01 2.30546-00 2.80576-01 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00	1-8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E-00 1.6223E-00 2.3253E-00 2.3253E-00 2.3253E-02 2.325E-02 2.325E-02 2.475E-02 2.475E-02 2.475E-02 2.475E-02 2.475E-02 2.435E-01 2.312E-00 2.772FE-00 2.375E-02 2.475E-03 2.375E-03	2,7135E-02 1,5101E-01 2,4903E-04 2,4913E+00 2,313E+00 2,3266E+00 3,7653E-06 4,0107E-13 2,313TE+00 2,4478E-01 2,4478E-01 2,4478E-02 2,413TE+00 2,413TE	i=10
PTINF PINF CC CC CC SINOR GETNOR AAR HHLD	2.7135E-02 1.5101E-01 2.4403E-04 2.4313E+00 1.8012E+00 3.7637E-06 7-8674E-14 2.3137E+00 7-7.8674E-14 2.4478E-01 7-7.8674E-14 -2.4478E-01 -7.8674E-14 -2.4478E-01 -2.3137E+00 -1.5493E-12 8.3961E+01 0.	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 1.8223E-00 2.3253E-00 5.7557E-07 5.8164E-02 2.3121E-00 2.32537E-02 2.4767E-01 -5.5440E-02 2.47351E-01 2.3121E+00 1.7727E+06 2.3721E+01 2.3121E+00 2.3721E+01 2.3721E+01 2.3721E+01 2.3721E+01 2.3721E+01 2.3721E+01 2.3721E+01	1-3 3.0137E-02 1.6772E-01 2.7659E-02 2.7003E+00 1.9414E+00 -3.1812E-05 -1.0510E-01 2.3054E+00 -3.1857E-01 4.0087E-02 2.40755E-01 -2.369E-01 2.3054E+00 3.8088E+00 6.1784E-01 6.1784E-01	1-4 2.4835E-C2 1.9386E-C1 3.1570E-C4 3.1212E+C0 2.1591E+00 -1.1103E-C6 -1.1583E-C1 2.2918E+00 2.2918E-00 2.2918E-00 2.2918E-00 2.2918E-00 6.8735E-C1 -2.0217E-C1 2.0217E-C1 6.8735E+00 6.8735E+00 6.8735E+00 6.7723E-C1 6.9800E-11	4.2439E-02 2.3618E-01 3.8949E-04 3.8025E+00 2.4792E+00 2.3094E+00 8.3505E-06 4.5027E-02 2.2743E+00 1.9157E-09 4.0102E-01 1.9027E-09 2.2743E+00 1.000E+01 1.900E+01 1.000E+01 1.000E+01 1.000E+01 1.000E+01 1.000E+01 1.000E+01	3.4835E-02 1.9386E-01 3.1070E-04 3.1212E+00 2.1331E+00 2.1314E+00 -1.1125E-05 1.1583E-01 2.2918E+00 3.4036E-01 -3.6807E-02 2.7627E-01 2.2018E+00 6.8735E+00 8.4995E+01 8.4995E+01 8.7723E-01 6.9800E-11	1=7 3.01376-02 1.67726-01 2.76596-04 2.70036+00 1.94146+00 3.17856-06 2.32046+00 2.32046+00 2.32046-00 2.32046-00 2.32046-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01	1-8 2.7581E-02 1.5350E-01 2.5313E-00 1.6223E-00 1.6223E-00 -5.6023E-07 2.3121E-00 2.5280E-01 2.5280E-01 2.5280E-01 2.72767E-0 2.5280E-01 2.7727E-00 2.3726E-02 2.4751E-01 2.3121E-00 2.37552E-01 2.7727E-00 2.3951E-01 2.3552E-01 2.955E-01	2,7135E-02 1,5101E-01 2,4903E-04 2,4913E+00 2,313E+00 2,3266E+00 3,7653E-06 4,0107E-13 2,313TE+00 2,4478E-01 2,4478E-01 2,4478E-02 2,313TE+00 2,4478E-02 2,313TE+00 2,4478E-02 2,313TE+00 2,4478E-01 2,4478E	i=10
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	2.7135E-02 1.5101E-01 2.4903E-04 2.4933E-00 1.8012E+00 2.3266E+00 3.7637E-06 -7.8674E-14 2.4378E-01 7.8254E-14 2.4478E-01 7.8674E-14 -7.8674E-14 -2.4478E-01 2.3137E-00 0.15483E-12 8.3961E+01 0.0 0.0 -6.0000E-01 0.0	2.7581E-02 1.5355CE-01 2.5313E-C4 2.4713E-00 1.8223E+00 2.3223E+00 2.3223E+00 2.5757E-C7 -5.6164E-02 2.4767E-01 -5.544CE-02 7.1561E-02 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3155E-01 -5.6545E-01 -6.960CE-11 6.000CE-01 C.	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E-00 1.9414E+00 2.3204E+00 3.18:2E-06 -1.0510E-01 2.3054E-02 2.657E-01 2.3054E-02 2.657E-01 2.3054E-02 2.657E-02 1.5551E-01 2.3054E-02 3.8588E+00 8.4152E+01 6.1784E-01 6.4718E-01 6.0006E-01 6.	1-4 2.4835E-C2 1.9386E-G1 3.1570E-C4 3.1212E+C0 2.314E+C0 2.314E+C0 3.4036E-C1 3.6807E-C2 3.2555E-C1 2.7627E-C1 2.7218E+C0 6.4735E+C0 6.4735E+C0 6.4735E+C0 6.7723E-C1 6.9800E-11	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 80255:00 2. 4792E-00 2. 4792E-00 6. 3505E-06 1. 9627E-69 4. 2743E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 0000E-01 5. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1331E+00 2.1331E+00 2.1314E+00 3.4036E-01 3.4036E-01 3.4036E-01 2.7018E+00 2.7017E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01	1=7 3.01376-02 1.67726-01 2.76596-04 2.70036+00 1.94146+00 3.17456-06 1.05106-01 2.30546+00 2.86576-01 -4.00876-02 2.67576-01 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01 2.30546-01	[=8 2.7581E-02 1.5350E-01 2.5313E-00 1.6223E-00 1.6223E-00 2.3253E-00 2.3253E-00 2.3253E-01 2.5280E-01 2.2536E-02 2.5280E-01 2.5380E-01 2.5380E	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E+00 2.313E+00 2.3256E+00 3.7653E-06 4.0107E-13 2.313TE+00 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 6.9525E-10 8.3961E+01 6.9600E-11 6.9600E-11 6.0000E-01 6.0000E-01	i=10
PPTINF PPINF CC CC CC SINOR HETNOR HAR HALD HAR HALD CONS	2.7135E-02 1.5101E-01 1.5101E-01 2.4903E-04 2.4313E-00 2.3266E-00 2.3266E-00 2.478E-01 -7.8674E-14 -7.8674E-14 -7.8674E-14 -7.8674E-14 -7.8674E-10 -7.8674E-10 -7.6676E-10	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 1.8223E+00 2.3223E+00 2.3223E+00 2.5765TE-C7 -5.8104E-02 2.3121E+00 2.5253E-01 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3121E+00 2.3155E-01 2.355E-01 2.355E-01 2.355E-01 2.355E-01 2.3656E-02 2.3660E-01	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 3.18:2E-06 -1.0510E-01 2.3054E+00 2.8057E-01 2.3054E+00 2.8057E-01 2.3054E+00 2.8057E-02 1.5551E-01 2.3054E+00 8.4152E+01 6.7000E-01 6.718E-01 6.0000E-01 6.3.5556E-03	1-4 2.4835E-C2 1.9386E-G1 3.1570E-C4 3.1212E+C0 2.1531E+C0 2.1531E-C0 2.1516E-C0 3.4036E-C1 3.6807E-C1 2.7928E-C1 2.7927E-C1 2.7927E-C1 2.7927E-C1 2.7927E-C1 2.7927E-C1 2.7927E-C1 2.7927E-C1 2.7927E-C1 2.7927E-C1 2.79286-C0 6.47955E+C0 6.7723E-C1 6.0000E-C1 6.000E-C1 6.000E-C1 6.000E-C1 6.000E-C1 6.000E-C1 6.000E-C1 6.000E-C1	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E+00 2. 4792E+00 2. 4792E+00 6. 3505E-06 1. 9627E-69 4. C102E-01 1. 9157E-09 4. C102E-01 1. 9027E-09 4. C102E-01 1. 9027E-09 4. C102E-01 1. 0000E+01 1. 0000E+01 1. 0000E+01 1. 0000E+01 1. 8308E-11 6. 0000E-01 C2. 522E-C3	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1331E+00 2.1331E+00 2.1315E-06 1.1125E-06 1.1531E-01 2.2918E+00 3.4036E-01 3.4037E-02 3.2555E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 2.7627E-01 3.7723E-01 6.0000E-01 5.6258E-01 5.6258E+00	1=7 3.01376-02 1.67726-01 2.76596-04 2.70036+00 1.94146+00 3.17456-06 2.32046+00 3.17456-01 2.30546+00 3.4076-02 2.65756-01 4.00876-02 2.65756-01 2.30546-00 8.41526-01 2.30546-00 8.41526-01 6.00061 6.00060-01 0.3.25566-03	[=8 2.7581E-02 1.5350E-01 2.5313E-00 1.6223E-00 1.6223E-00 2.3253E-00 2.3253E-00 2.5280E-01 2.5380E-01 2.5380E	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E+00 2.313E+00 2.3256E+00 3.7653E-06 4.0107E-13 2.313TE+00 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 6.9525E-10 8.3961E+01 6.9800E-11 6.9800E-11 6.9800E-11 6.9800E-11 6.9800E-11 6.9800E-11	i=10
PPTINF OO O SINDR	2.7135E-02 1.5101E-01 1.5101E-01 2.4903E-04 2.4313E-00 2.3266E-00 2.3266E-00 2.7627E-06 -7.8674E-14 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.3137E-00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E-00 2.3223E-00 2.3223E-00 2.5765TE-C7 -5.6164E-02 2.4707E-01 2.3121E-00 2.74551E-01 2.3121E-00 2.7727E-06 2.3951E-01 2.3121E-00 2.3727E-06 2.3951E-01 2.3152E-01 2.355E-01	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 2.3204E+00 2.3204E+00 3.18:22=06 -1.0510E-01 2.3054E+00 2.4057E-01 2.3054E+00 2.4057E-01 2.3054E+00 2.4057E-01 2.3054E+00 3.452E+01 2.3054E+00 3.452E+01 4.7138E-01 4.7138E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01 6.000E-01	1-4  2.4835E-C2 1.9386E-G1 3.1570E-C4 3.1212E-00 2.3144E-00 2.3144E-00 3.4036E-C1 2.2018E-01 2.2018E-02 3.4637E-C1 2.7027E-C1 2.2018E-00 6.4935E-01 2.7027E-C1 2.2018E-00 6.4935E-01 6.7723E-0 6.7725E-0 6.7725E-0 6.7725E-0	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E-00 2. 4792E-00 2. 4792E-00 2. 3904E-00 4. 3505E-00 4. 0102E-01 1. 9102E-01 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 6. 3505E-00 6. 3505E-00 6. 3505E-00 6. 3235E-00 6. 3235E-00 6. 3235E-00	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1331E+00 2.1331E+00 2.1314E+00 1.1125E-06 1.1538E-01 1.2918E+00 3.4036E-01 2.304E-02 3.2555E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 2.7027E-01 3.7027E-01 6.703E-01	1=7 3.01376-02 1.67726-01 2.76396-04 2.76036-00 1.94146-00 2.32046-00 3.17856-06 1.05106-01 2.30346-00 3.17856-01 2.30346-00 2.40366-01 2.30346-00 2.40366-01 2.30366-01 2.30366-01 2.30366-01 2.30366-01 3.40366-01	[=8 2.7581E-02 1.5550E-01 2.5513E-04 2.4713E-00 1.6223E-00 2.3253E-02 2.3253E-02 2.3258E-01 2.2580E-01 2.458EE-02 2.458EE	2,7135E-02 1,5101E-01 2,4013E-04 2,4313E+00 2,313E+00 2,3266E+00 3,7653E-06 4,0107E-13 3,7653E-06 4,0135E-10 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 2,4478E-01 3,652E-10 8,3061E-01 6,9000E-11 6,9000E-11 6,0000E-01 6,0000E-01 6,0000E-01 6,0000E-01 6,0000E-01 6,0000E-01 6,0000E-01 6,0000E-01	I+10 .
PPTINF OO O SINDR	2.7135E-02 1.5101E-01 1.5101E-01 2.4903E-04 2.4313E-00 2.3266E-00 2.3266E-00 2.4678E-01 -7.8674E-14 -7.8674E-14 -7.8674E-14 -7.8674E-14 -7.8674E-10 -7.674E-10	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E+00 2.3223E+00 2.3223E+00 2.3223E+00 2.3121E+00 2.3152E-01	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 3.18:22E-06 -1.0510E-01 2.3054E+00 2.4057E-01 2.3054E+00 2.4057E-01 2.3054E+00 3.4808E+00 8.4152E+01 6.7000E-01 6.7000E-01 6.7000E-01 6.700E-01	1-4  2.4835E-G2 1.9386E-G1 3.1570E-G4 3.1212E+G0 2.3144E+G0 2.3144E+G0 3.4036E-G1 3.6807E-G2 3.2555E-G1 -1.0589E-G1 2.7627E-G1 2.7927E-G1 2.792	4. 2439E-02 2. 3018E-01 3. 8949E-04 3. 8025E-00 2. 4792E-00 2. 4792E-00 2. 4792E-00 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 2. 2743E-000E-11 4. 0000E-01 5. 0000E-01 6. 0000E-01 6. 3235E-00 6. 3235E-00 6. 3235E-00 6. 3235E-00 6. 3299E-09 6. 4571E-02 6. 4791E-02	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 3.1212E+00 2.1331E+00 2.1314E+00 3.4036E-01 3.4036E-01 3.4036E-02 3.2555E-01 2.7027E-01	1=7 3.01376-02 1.67726-01 2.76596-04 2.70036+00 1.94146+00 3.17456-06 1.05106-01 2.30546+00 2.86576-01 2.30546-00 2.46576-01 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 2.30546-00 3.41526-01 6.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01 0.0006-01	[-8 2.7581E-02 1.5350E-01 2.5313E-00 1.6223E-00 1.6223E-00 2.3253E-00 2.3253E-00 2.5280E-01 2.5280E	2, 7135E-02 1, 5101E-01 2, 4903E-04 2, 4913E+00 2, 313E+00 2, 3266E+00 3, 7653E-06 4, 0107E-13 2, 313TE+00 2, 4478E-01 2, 4478E-01 2, 4478E-01 2, 4478E-01 2, 4478E-01 2, 4478E-01 2, 4478E-01 2, 4478E-01 2, 4478E-01 2, 4478E-01 3, 4478E-01 6, 900E-11 6, 900E-11	I+10 .
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PPTINF OO  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 1.8012E+00 2.3266E+00 3.7637E-06 3.7637E-06 3.7637E-06 2.4478E-01 7.8674E-14 7.8674E-14 7.8674E-14 7.8674E-10 0.0010E-01 0.0010E-01 0.0010E-01 0.0000E-01 0.0010E-01	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E-00 2.3223E-00 2.5757E-C7 -5.6164E-02 2.3121E-00 2.5280E-01 2.4767E-01 -5.544CE-02 2.4767E-01 -7.1561E-02 -2.4351E-01 2.3121E-00 1.7727E-00 0.77356E-01 0.6000CE-01 0.77356E-01 0.67355E-01 0.67355E-01 0.67355E-01 0.67355E-01 0.67355E-01 0.6735E-02 0.6735E-02 0.6735E-02 0.6735E-02 0.6735E-02 0.7735E-02 0.7735E-02 0.7735E-02 0.7735E-02 0.7735E-02 0.7735E-02 0.7735E-02 0.7735E-02	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 -3.182E-06 -1.0510E-02 2.3054E-02 4.0087E-02 4.0087E-02 2.8057E-01 4.0087E-02 2.8057E-01 -2.3659E-01 -2.3659E-01 -2.365E-01 -3.4559E-01 -4.7118E-01 -4.7118E-01 0.000E-01 0.3.6084E+00 3.6084E+00 3.021E-01 0.4711E-02 1.1705E-02 1.1705E-02 1.1705E-02 1.1705E-02 1.1705E-02 1.1705E-02 1.1705E-02	1-4  2.4835E-C2 1.9386E-C1 3.1212E-C0 2.1531E-C0 2.3144E-C0 -1.1103E-C6 4.1538E-C1 2.2918E-C0 3.6036E-C1 3.6036E-C1 2.2918E-C0 6.2955E-C1 -1.0589E-C1 -2.0217E-C1 2.7627E-C1 2.7627E-C1 -2.918E-C0 6.4955E-C1 -1.723E-C1 03451E-C2 04551E-C2 1.1055E-C2 1.1055E-C2 1.1055E-C2 1.1055E-C3	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E-00 2. 4792E-00 2. 4792E-00 2. 3094E-06 1. 9027E-09 1. 9102E-01 1. 9157E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9553E-09 4. 0102E-01 1. 8953E-09 4. 0102E-01 1. 8953E-09 6. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 0. 0000E-01 0. 000E-01 0. 000E-0	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.1531E+00 2.1531E+00 2.1531E+00 2.2184E-01 1.1585E-01 1.2585E-01 1.0589E-01 1.0589E-01 2.2018E+00 6.8735E+00 8.7723E-01 2.2018E+00 6.8735E+00 8.7723E-01 2.3805E-01 6.8000E-01 6.8000E-01 6.8000E-01 6.5267E+00 3.2625E-01 6.4571E-02 1.1905E-02 8.5093E-01 9.2717E+01	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 3.1785E-06 1.0510E-01 2.3054E+00 2.8657E-01 4.0087E-02 2.6755E-01 2.3054E+00 3.2846F-01 2.3054E+00 3.2856E-03 3.6888E+00 6.1784E-01 4.7178E-01 6.7000E-01 6.750E-03 3.2556E-03 5.6084E+00 3.221E-01 6.570E+00 3.221E-01	1-8 2.7581E-02 1.5350E-01 2.5313E-04 1.6223E-00 1.6223E-00 1.6223E-00 1.6223E-00 1.6223E-01 2.5280E-01	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E-00 2.326E-00 3.765E-00 3.777E-	I+10 .
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PPTINF OO  C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 2.32266E+00 2.32266E+00 3.7637E-06 -7.8674E-14 2.3137E+00 2.4478E-01 -7.8674E-14 -2.4478E-01 -7.8674E-14 -2.4478E-01 -0.6000E-01 -0.5836E+01 0.0 -6.0000E-01 -0.5931E+00 0.7911E+00 0.7911E	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E-00 2.3223E-00 2.5757E-C7 -5.6164E-02 2.3121E-02 2.4767E-01 -5.5440E-02 2.4751E-02 2.4751E-02 2.4751E-02 2.3121E-00 1.7727E-06 1.7727E-06 0.5000E-01 0.7735E-01 1.640E-02 1.640E-03 1.64	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7603E+00 1.9314E+00 2.304E+00 2.304E+00 2.3054E-01 4.0087E-02 4.0087E-02 4.0087E-02 3.8857E-01 4.0087E-02 3.8858E+00 3.8858E+00 3.8858E+00 6.1764E-01 6.9800E-01 6.9800E-01 6.9800E-01 6.9800E-01 6.9800E-01 7.3.2556E-03 5.6084E+00 3.0221E-01 6.7900E-01 7.3.2556E-03 5.6084E-00 3.0221E-01 7.747E-10 7.3747E-10 7.3747E-10	1-4  2.4835E-C2 1.9386E-C1 3.1570E-C4 3.1571E-00 2.1531E-00 2.1531E-00 2.3144E-00 -1.1163E-06 2.2718E-00 2.2718E-01 2.2718E-00 6.8735E-C1 -1.0589E-C1 2.7627E-C1 2.0217E-C1 2.0318E-C1 2.0318E-C1 2.0318E-C1 4.050E-C1 1.0585E-C1 4.051E-C1 2.1717E-01 -1.6757E-10 -2.4407E-C1 1.1675E-C1 2.2733E-C3	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E-00 2. 4792E-00 2. 4792E-00 2. 3505E-06 1. 9027E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9027E-0 1. 9027E-0 1. 9027E-0 1. 9027E-0 1. 9000E-01 1. 9037E-0 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 2. 2743E-0 2. 2743E-0 2. 2743E-0 2. 2743E-0 2. 2743E-0 2. 2743E-0 2. 3255E-0 3. 6000E-0 3. 6000E-0 5. 2099E-0 9. 4571E-0 9. 11005E-0 9. 2717E-0 9. 11. 1003E-1 1. 1. 0434E-1 8. 1. 7032E-1 9. 1003E-1 1. 1. 1033E-1 1. 1033E-1	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.1531E+00 2.3144E-00 1.1532E-01 1.593E-01 1.593E-01 1.0589E-01 1.0589E-01 1.0589E-01 2.0217E-01 2.0217E-01 2.2918E+00 6.8732E+03 6.7930E-01 0313525E-03 5.6258E+00 021336E-03 0213669E-10	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 3.1785E-06 1.0510E-01 2.3054E+00 2.8657E-01 4.0087E-02 2.6755E-01 2.3054E+00 3.2846F-01 2.3054E+00 3.2856E-03 3.6888E+00 6.1784E-01 4.7178E-01 6.7000E-01 6.750E-03 3.2556E-03 5.6084E+00 6.750E+03 3.2256E-03 5.6084E+00 6.750E+00 3.2256E-03 5.6084E-03 6.750E-03 6.750E-03 6.750E-03 6.750E-03	[=8 2.7581E-02 1.5350E-01 2.5313E-04 1.6223E-00 1.6223E-00 1.6223E-07 1.6223E-00 1.6223E-07 1.5616E-02 2.4727E-01 5.540E-02 2.4727E-01 5.540E-02 2.4727E-01 5.540E-02 2.4727E-01 5.540E-02 1.7727E-00	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E-00 2.3265E-00 3.775E-00 3.777FE	I+10 .
PPTINF HO  CCC CC	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E+00 2.32266E+00 2.32266E+00 3.7637E-06 -7.8674E-14 2.3137E+00 2.4478E-01 -7.8674E-14 -2.4478E-01 -7.8674E-14 -2.4478E-01 -0.6000E-01 -0.5836E+01 0.0 -6.0000E-01 -0.5931E+00 0.7911E+00 0.7911E	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E-00 2.3223E-00 2.5757E-C7 -5.6164E-02 2.3121E-02 2.4767E-01 -5.5440E-02 2.4751E-02 2.4751E-02 2.4751E-02 2.3121E-00 1.7727E-06 1.7727E-06 0.5000E-01 0.7735E-01 1.640E-02 1.640E-03 1.64	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 3.1822E-06 -1.0510E-01 2.3054E-00 2.3057E-01 2.3054E-00 3.1822E-06 -1.0510E-01 -2.3054E-00 3.4852E-01 -2.3054E-00 3.4852E-01 -2.3054E-00 3.4852E-01 -2.3054E-00 3.4852E-01 -3.2556E-03 5.6084E+00 3.0221E-01 03.2556E-03 3.0221E-01 -2.3563E-01 -2.3563E-01 -2.3563E-01 -2.3563E-01 -2.3563E-01	1-4  2.4835E-C2 1.9386E-C1 3.1570E-C4 3.1212E-C0 2.3144E-C0 2.3144E-C0 2.3144E-C0 2.3144E-C1 2.2518E-C0 2.3144E-C1 2.2518E-C1 2.2518	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E-00 2. 4792E-00 2. 4792E-00 2. 3004E-06 1. 9C27E-09 4. C102E-01 1. 9157E-09 4. C102E-01 1. 9157E-09 4. C102E-01 1. 9027E-09 4. C102E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 2. 580E-11 -1. 8108E-11 -1. 8108E-11 -2. 812E-02 2. 4571E-02 5. 2099E-09 5. 2099E-09 5. 2171E-01 5. 2171E-01 5. 2171E-01 5. 2171E-01	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1531E+00 2.1531E+00 2.3144E-00 1.1532E-01 1.593E-01 1.593E-01 1.0589E-01 1.0589E-01 1.0589E-01 2.0217E-01 2.0217E-01 2.2918E+00 6.8732E+03 6.7930E-01 0313525E-03 5.6258E+00 021336E-03 0213669E-10	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 3.1785E-06 1.0510E-01 2.3054E+00 2.8657E-01 4.0087E-02 2.6755E-01 2.3054E+00 3.2846F-01 2.3054E+00 3.2856E-03 3.6888E+00 6.1784E-01 4.7178E-01 6.7000E-01 6.750E-03 3.2556E-03 5.6084E+00 6.750E+03 3.2256E-03 5.6084E+00 6.750E+00 3.2256E-03 5.6084E-03 6.750E-03 6.750E-03 6.750E-03 6.750E-03	[=8 2.7581E-02 1.5350E-01 2.5313E-04 1.6223E-00 1.6223E-00 1.6223E-07 1.6223E-00 1.6223E-07 1.5616E-02 2.4727E-01 5.540E-02 2.4727E-01 5.540E-02 2.4727E-01 5.540E-02 2.4727E-01 5.540E-02 1.7727E-00	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E-00 2.3265E-00 3.775E-00 3.777FE	I+10 .
PPTINF HO  CC C	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 2.31266E+00 2.32266E+00 2.7627E-06 -7.8674E-14 2.4478E-01 -7.8674E-14 2.4478E-01 -7.8674E-14 -2.4478E-01 -1.5874E-14 -2.4578E-01 -1.5874E-14 -2.4578E-01 -1.5974E-01 -2.5974E-01 -2.5974E-01 -2.5974E-01 -2.5974E-01 -2.5974E-14 -2.5974E-14	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E-00 2.3223E-00 2.5757E-07 -5.8164E-02 2.3121E-00 2.2537E-02 2.4767E-01 2.1551E-01 2.1552E-01 1.7727E-00 2.3121E-00 1.7727E-00 2.3521E-01 2.3552E-01 2.3531E-01 2.3552E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.4531E-02 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3531E-01 2.3541E-02 1.3531E-01 2.3541E-02 1.3531E-01	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 2.3204E+00 2.3204E+00 3.1822E-06 -1.0510E-01 2.3054E-01 2.3054E-01 2.3054E-01 2.3054E-01 2.3054E-01 3.4808E-03 3.4808E-03 3.4808E-03 3.4808E-03 3.4808E-03 3.4808E-03 3.48152E-01 -4.7138E-01 -4.7138E-01 -4.7138E-01 -4.7138E-01 -4.7138E-01 -4.7138E-01 -3.2556E-03 3.021E-01 -3.2556E-03 3.0221E-01 -3.2556E-03	1-4  2.4835E-C2 1.9386E-C1 3.1570E-C4 3.1212E-C0 2.3144E-C0 2.3144E-C0 2.3144E-C0 2.3144E-C1 2.2518E-C0 2.3144E-C1 2.2518E-C1 2.2518E-C1 1.103E-C6 1.1538E-C1 1.053E-C1 2.0518E-C0 2.7627E-C1 2.0727E-C1 2.0217E-C1 2.0217E-C1 2.0217E-C1 2.0217E-C1 2.0217E-C1 2.0217E-C1 2.0217E-C1 2.0217E-C1 2.0217E-C1 2.0362E-C0 6.6735E-C0 6.7723E-C0 0.32625E-C1 0.32625E-C1 1.1055E-C2 1.1055E-C1 1.2733E-C3 1.3014E-C1 1.1583E-C1 1.2039E-00	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E-00 2. 3094E-02 2. 3094E-02 4. 3056E-06 1. 9027E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 1. 0000E-01 2. 580E-11 -1. 8108E-11 -2. 8188E-01 -2. 8188E-01 -2. 8188E-01 -2. 8188E-01 -2. 8188E-01 -2. 845E-10	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 2.1314E+00 2.1314E+00 3.4036E-01 3.4036E-01 3.4036E-01 1.0597E-01 1.0597E-01 2.7627E-01 2.7737E-01 2.7737E-01 2.7737E-01 2.7737E-01 2.7737E-01	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 3.1785E-06 1.0510E-01 2.3054E+00 2.8657E-01 4.0087E-02 2.6755E-01 9.3497E-02 2.3654E-00 3.2856E-03 3.688E-00 6.178E-01 4.7178E-01 6.7178E-01 6.750E-03 3.688E-00 6.750E-03	[-8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00 -2.623E-07 5.8164E-02 2.12256+00 2.5280E-01 -2.2536E-02 2.4767E-01 5.540E-02 2.4757E-01 5.540E-02 2.4757E-01 5.552E-01 6.990CE-01 6.990CE-01 6.990CE-01 6.990CE-01 6.990SE-01 6.9735E+00 2.4925E-04	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E-00 2.3266E-00 3.765E-00 4.0107E-13 3.765E-00 4.0107E-13 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 3.5137E-00 6.525E-11 2.4478E-01 6.8000E-11 6.0000E-01 6.791E-02 6.791E-02 1.7707E-12 6.5906E-01 9.2717E-01 9.2717E-01 2.3448E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12	1-10
PPTINF HO  CCC CC	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 1.8012E-00 2.3266E-00 2.3266E-00 2.4478E-01 -7.8674E-14 2.4478E-01 -7.8674E-14 -2.4478E-01 -1.583E-12 -3.134E-00 -6.0000E-01 -6.0000E-01 -3.1464E-03 5.5989E-00 6.7911E-00 2.2954E-13 -4.574E-14 -2.317E-02 -1.596E-01 -2.5196E-01 -7.8674E-14 -1.1248E-00	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E-00 2.3223E-00 2.5757E-C7 -5.8164E-02 2.3121E-00 2.52580E-C1 2.5251E-01 2.4751E-02 2.4767E-01 2.1552E-01 1.7727E-00 2.4751E-01 2.1552E-01 2.7127E-00 2.71561E-02 2.4751E-01 2.1552E-01 2.727E-00 2.71561E-02 2.4751E-01 2.727E-00 2.727E-0	I=3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 2.3204E+00 2.3204E+00 3.1822E-06 -1.0510E-01 2.3054E-01 2.3054E-01 2.3054E-01 2.3054E-01 2.3054E-01 3.0809E-01 2.3054E-01 3.0809E-01 -2.3054E-01 3.0809E-01 -3.174E-01 -4.7138E-01 -5.5068E-03 -6.6790E-00 -1.1005E-02 -1.1005E-03 -1.7447E-10 -2.3563E-01 -2.3563E-01 -2.3563E-01	1-4  2.4835E-C2 1.9386E-C1 3.1570E-C4 3.1212E-C0 2.1531E-C0 2.1531E-C1 2.2314E-C0 2.2314E-C0 2.2316E-C1 3.6807E-C2 2.7627E-C1 2.0317E-C1 2.7627E-C1 2.0217E-C1 2.0318C5E-C1 6.9800E-11 -2.8865E-C1 6.9800E-11 -2.8865E-C1 6.0000E-11 -2.83525E-C3 3.6258E-C0 02273E-C1 1.92717E-C1 1.6757E-10 -2.4731E-C1 1.6757E-10 -2.4731E-C1 1.6757E-10 -2.4731E-C1 1.6757E-10 -2.4731E-C1 1.6757E-10 -2.4731E-C1 1.1583E-C1	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E-00 2. 3094E-02 2. 3094E-02 2. 3094E-03 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9027E-09 2. 2743E-00 1. 0000E-01 1. 0050E-01 1. 0050E-01 1. 0050E-01 2. 2743E-00 2. 2743E-00 3. 0000E-01 1. 0000E-01 2. 5806E-11 -1. 8108E-11 -2. 818E8E-C1 1. 10434E-18 4. 7132E-10 1. 9027E-C9 2. 2445E-00 E ZETA LIFIT	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 3.1212E+00 2.1314E+00 2.1314E+00 2.3144E-00 2.3144E-00 2.303E-01 3.4007E-02 3.255E-01 1.0589E-01 2.7627E-01	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 3.1785E-06 1.0510E-01 2.3054E+00 2.8657E-01 4.0087E-02 2.6755E-01 2.3054E+00 3.2859E-01 4.718E-01 4.7178E-01 6.750E-01 3.409E-01 4.7178E-01 6.750E-01	[-8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00 1.8223E+00 -1.6223E-07 2.3121E-00 2.5280E-01 -2.2536E-02 2.4727E-01 5.5440E-02 2.4351E-01 2.3121E+00 1.7727E+00 2.3121E+00 1.7727E+00 2.4351E-01 2.4321E+00 1.7727E+00 2.4351E-01 2.4321E+00 1.7735E+00 2.45251E-01 2.5262E-01 2.5262E-01 2.5262E-01 2.5262E-01 2.64571E-02 1.9055E-02 2.6452E-04 2.6457E-02 2.6452E-04 2.6457E-03 2.642E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04	2.1135E-02 1.5101E-01 2.4903E-04 2.4913E-00 2.3266E-00 3.7653E-00 4.0107E-13 3.7653E-00 4.0107E-13 2.4478E-01 3.961E-01 6.9800E-11 6.0800E-11 6.0800E-01 6.791E-02 6.980E-01 6.791E-02	PT/PTIN
PPTINF HO  CCC CC	2.7135E-02 1.5101E-01 2.4903E-04 2.4313E-00 1.8012E-00 2.3266E-00 2.3266E-00 2.4478E-01 -7.8674E-14 2.4478E-01 -7.8674E-14 -2.4478E-01 -1.583E-12 -3.134E-00 -6.0000E-01 -6.0000E-01 -3.1464E-03 5.5989E-00 6.7911E-00 2.2954E-13 -4.574E-14 -2.317E-02 -1.596E-01 -2.5196E-01 -7.8674E-14 -1.1248E-00	2.7581E-02 1.5355CE-01 2.5313E-04 2.4713E-00 2.3223E-00 2.3223E-00 2.5757E-C7 -5.8164E-02 2.3121E-00 2.52580E-C1 2.5251E-01 2.4751E-02 2.4767E-01 2.1552E-01 1.7727E-00 2.4751E-01 2.1552E-01 2.7127E-00 2.71561E-02 2.4751E-01 2.1552E-01 2.727E-00 2.71561E-02 2.4751E-01 2.727E-00 2.727E-0	1-3 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 2.3204E+00 2.3204E+00 2.3204E+00 2.3657E-01 2.3054E+00 2.3657E-01 2.3054E+00 3.3868E+00 2.3407E-02 2.6175E-01 -2.304E-00 3.3868E+00 3.3868E+00 3.182E+01 -4.718E-01 -4.718E-01 03.256E-03 3.6084E+00 3.021E-01 03.256E-03 3.6084E+00 3.021E-01 1.7477E-10 -2.3563E-01 9.2717E-01 -2.7477E-10 -2.3563E-01 -2.3563E-01	1-4  2.4835E-C2 1.9386E-C1 3.1570E-C4 3.1212E-C0 2.3144E-C0 6.6735E-C1 6.6735E-C1 6.6735E-C1 6.7723E-C1 6.7723	4. 2439E-02 2. 3618E-01 3. 8949E-04 3. 8025E-00 2. 3094E-02 2. 3094E-02 2. 3094E-02 4. 3056E-06 1. 9027E-09 4. 0102E-01 1. 9157E-09 4. 0102E-01 1. 9027E-09 4. 0102E-01 1. 902F-09 4. 0102E-01 1. 902F-09 4. 0102E-01 1. 902F-09 4. 0102E-01 2. 2445E+00 1. 9027E-09 2. 2445E+00 1. 927E-09 2. 2445E+00 1. 927E-09 2. 2445E+00 1. 927E-09 2. 2445E+00	3.4835E-02 1.9386E-01 3.1970E-04 3.1212E+00 3.1212E+00 2.1314E+00 2.1314E+00 2.3144E-00 2.3144E-00 2.303E-01 3.4007E-02 3.255E-01 1.0589E-01 2.7627E-01	1=7 3.0137E-02 1.6772E-01 2.7659E-04 2.7003E+00 1.9414E+00 3.1785E-06 1.0510E-01 2.3054E+00 2.8657E-01 4.0087E-02 2.6755E-01 2.3054E+00 3.2859E-01 4.718E-01 4.7178E-01 6.750E-01 3.409E-01 4.7178E-01 6.750E-01	[-8 2.7581E-02 1.5350E-01 2.5313E-04 2.4713E+00 1.8223E+00 1.8223E+00 -1.6223E-07 2.3121E-00 2.5280E-01 -2.2536E-02 2.4727E-01 5.5440E-02 2.4351E-01 2.3121E+00 1.7727E+00 2.3121E+00 1.7727E+00 2.4351E-01 2.4321E+00 1.7727E+00 2.4351E-01 2.4321E+00 1.7735E+00 2.45251E-01 2.5262E-01 2.5262E-01 2.5262E-01 2.5262E-01 2.64571E-02 1.9055E-02 2.6452E-04 2.6457E-02 2.6452E-04 2.6457E-03 2.642E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04 2.6457E-04	2.7135E-02 1.5101E-01 2.4903E-04 2.4913E-00 2.3266E-00 3.765E-00 4.0107E-13 3.765E-00 4.0107E-13 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 2.4478E-01 3.5137E-00 6.525E-11 2.4478E-01 6.8000E-11 6.0000E-01 6.791E-02 6.791E-02 1.7707E-12 6.5906E-01 9.2717E-01 9.2717E-01 2.3448E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12 2.348E-12	PT/PTIN
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				SUMMA	IRY PRINT BLO	Y K				
				30/11/2		~~				
	I = 1	t=2	1=3	1=4	I=5 `	I=6	1=7	1=8		1=10
SISD	-9.0000E+01	-6.1006E+C1 -6.756EE+C1	-3.7365E+01 -4.56C8E+01	-1.8178E+01 -2.3451E+C1	-1.0489E-09 -1.4014E-09	1.8178E+01 2.3490E+01	3.7365E+01 4.5685E+01	6.7630E+01	9.0000E+01	
o ·	-1.0580E-01	-1.00398-01	-8.3186E-02	-5.C790E-02	-3.2281E-12	5.0790E-02	8.3188E-02	1.0039E-01	1.0580E-01	
(DBAR	0. -6.0000E-01	3.1552E-01	6.1784E-01	8.7723E-C1	1.0000F+00	8.7723F-01	6.1784E-01 4.7178E-01	1.15:2E-01 1.6935E-01	-6.9800E-11 6.0000E-01 -1.5470E-11 1.7985E-01 -8.7735E-11	
is ·	0. -1.7969E-01	6.9421E-G2 -1.6816E-01	1.3548E~01 -1.3838E~01	1.90C8E-01 -8.2453E-02	2.1901E-01 -5.3567E-12	1.9041E-01 8.2752E-02	1.3583E-01 1.3912E-01	6.9631E-02 1.6919E-01	-1.5470E-11 1.7985E-01	- • • •
SBAR SBAR	0. -1.0134E+00	-9.5368E-Ol	-7.8479E-QL	1.0780E+C0 -4.6761E-01	-3.0379E-11	1.0799E+00 4.6931E-01	7.8896E-01	3.9490E-01 9.5954E-01	-8.7735E-11 1.0200E+00 7.2545E-02	
TAS	7.1423E-02	6.7686E-02	5.9715E-02	4.6013E-02	4.1069E-02 1.2353E+C1	4.6445E-02	6.0503E-02 1.0769E+01	6.8707E-02	7.2545E-02 1.0096E+01	
I PSHOCK	0. 2.6543E-02	5.5646E-02 2.7715E-02	1.1129E-01 3.3362E-02	1.6694E-01 4.0656E-02	2.2258E-01 5.0241E-02	2.7823E-01 3.9759E-02	3.3388E-C1 3.2142E-02		4.4517E-01 2.5171E-02	
PBODY	3.2725E-02	3.3632E-02	3.8751E-02	4.8059E-C2	6.2552E-02	4.6638E-02	3.7160E-02	3.20656-02	3.1188E-02	
I TA	u	x I	×ο	,	10	ETAS	ETASP			
1 0.	0.		J.	-1.0579	- 6188E-01 7.	14232221E-02	-2.94372203	E-15		
2 5.5646 3 1.1129	0957E-02 5. 2159E-01 1.	56460997E-02 11292199E-01	5.56348315 1.08942518	F-02 -1.0G39	21 C 7 7F - 01 K -	76861689E-02 97146913E-02	-1.07817311	F-01	•	
4 1.6653	8299E-01 1.	66538259E-01	. 1.5467E616	E-C1 -5.0790 E-01 -3.2281	3EC3F-02 4.	.60132762E~02	-1.91571161	E-01		•
6 2.7823	0498E-01 2.	78230458E-01	1.54678616	E-01 5.0790	3804E-02 4.	10692401E-02 64448143E-02	1.98842690			
8 3.8952	2698E-01 3.	85522658E-01	5.56348315	E-C2 1.0039	1977E-01 6.	.05032262E~02 .87073229E~02	1.10926022	E-01		
9 4.4516	8797E-01 4.	45168797E-01	-1.23075942	E-11 1.0579	6188E-01 7.	.25449404E-02	-1.52228381	E-14		
				ZETA= O.				· · · · · · · · · · · · · · · · · · ·		
								•		
	1=1	I*2	1=3	I=4	1=5	1=6	I=7	I=8 -	I=9	I =10
VRDASTSC							2.9741E-02	2.7193E-02	I=9 2.6755E-02	
PAROASTSC	2.7523E-02 1.5317E-01 2.5260E-04	2.7977E-C2 1.5570E-C1 2.5676E-C4	3.0536E-02 1.6994E-01 2.8025E-04	3.5190E-02 1.5584E-C1 3.2297E-04	4.2437E-02 2.3617E-01 3.8947E-04	3.4480E-02 1.9189E-01 3.1644E-04	2.9741E-02	2.7193E-02	I=9 2.6755E-02	
PINF	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00	2.7977E-C2 1.5570E-C1 2.5676E-C4 2.5067E+00 1.8405E+00	3.0536E~02 1.6954E~01 2.8025E~04 2.7361E+00 1.9557E+00	3.5190E-02 1.5584E-C1 3.2297E-C4 3.1531E+C0 2.1687E+C0	4.2437E-02 2.3617E-01 3.6947E-04 3.8023E+00 2.4791E+00	3.4480E-02 1.9189E-01 3.1644E-04 3.0894E+00 2.1373E+00	2.9741E-02	2.7193E-02	I=9 2.6755E-02	
/PTINF /PINF HO	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 2.3261E+00 6.7801E-05	2.7977E-C2 1.5570E-C1 2.5676E-C4 2.5067E+00 1.8405E+00 2.3248E+00 6.0186E-06	3.0536E~02 1.6994E~01 2.8025E~04 2.7361E+00 1.9597E+00 2.3200E+00 -2.5287E~05	3.5190E-02 1.5584E-C1 3.2297E-C4 3.1531E+C0 2.1687E+C0 2.3141E+00 -1.5667E-05	4.2437E-02 2.3617E-01 3.6947E-C4 3.8023E+C0 2.4791E+C0 2.3094E+C0 -1.2586E-C5	3.4480E-02 1.9189E-01 3.1644E-04 3.0894E+00 2.1373E+00 2.3146E+00	2.9741E-02	2.7193E-02	I=9 2.6755E-02	
/PTINF /PINF HO	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 2.3261E+00 6.7801E-05 -2.5066E-14	2.7977E-C2 1.5570E-C1 2.5676E-C4 2.5676E-C0 1.8405E+00 2.3248E+00 6.0186E-06 5.6598E-02	3.0536E~02 1.6954E~01 2.8025E~04 2.7361E+00 1.9557E+00 2.3200E+00 -2.5287E~05 -1.0269E~01	3.5190E-02 1.5584E-C1 3.2297E-C4 3.1531E+C0 2.1687E+C0 2.3141E+00 -1.5667E-05 -1.1232E-01 2.2914E+60	4.2437E-02 2.3617E-01 3.6947E-C4 3.8023E+C0 2.4791E+C0 2.3094E+C0 -1.2586E-C5 4.1425E-03	3.4480E-02 1.9189E-01 3.1644E-04 3.0894E+00 2.1373E+00 2.3146E+00 -1.5807E-05	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E+00 1.9231E+00 2.3208E+00 -1.7734E-05	2.7199E-02 1.5134E-01 2.4957E-04 2.4365E+00 1.8040E+00 2.3258E+00 8.8727E-02	1=9  2.6755E-02 1.4890E-01 2.4555E-04 2.3972E+00 2.3271E+00 4.8117E-05	
PTINF HO C	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 2.3261E+00 6.7801E-05 -2.5066E-14	2.7977E-C2 1.5570E-C1 2.5676E-C4 2.5067E+00 1.8405E+00 2.3248E+00 6.0186E-06 -5.6558E-02 2.3116E+00 2.5275E-C1	3.0536E-02 1.6954E-01 2.8025E-04 2.7361E+00 1.9557E+00 2.3200E+00 -2.5287E-05 -1.0269E-01 2.3049E+00 2.8048E-01	3.5190E-02 1.9584E-C1 3.2297E-04 3.1531E+C0 2.1687E+C0 2.3141E+00 -1.5667E-05 -1.1232E-01 2.2914E+C0 3.4027E-01	4.2437E-02 2.3617E-01 3.6947E-C4 3.8023E+C0 2.4791E+C0 2.3094E+C0 -1.2586E-C5 4.1425E-03	3.4480E-02 1.9189E-01 3.1644E-04 3.0894E+00 2.1373E+00 2.3146E+00 -1.5807E-05	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E+00 1.9231E+00 2.3208E+00 -1.7734E-05	2.7199E-02 1.5134E-01 2.4957E-04 2.4365E+00 1.8040E+00 2.3258E+00 8.8727E-02	1=9  2.6755E-02 1.4890E-01 2.4555E-04 2.3972E+00 2.3271E+00 4.8117E-05	
/PTINF /PINF HO C C C	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.3132E+00 2.4479E-01	2.7977E-C2 1.5570E-01 2.5676E-C4 2.5067E+00 1.8405E+00 6.0186E-06 6.5.6598E-02 2.3116E+00 2.5275E-C1 2.3685E-02	3.0536E-02 1.6994E-01 2.8025E-04 2.7361E+00 1.9557E+00 2.3200E+00 -2.5287E-05 -1.0269E-01 2.3049E+00 4.2470E-02 2.6857E-C1	3.5190E-02 1.5584E-C1 3.2297E-04 3.1531E+C0 2.1647E+C0 2.3141E+00 -1.5667E-05 -1.1232E-01 2.2514E+C0 3.4027E-01 4.0258E-C2 3.2691E-01	4.2437E-02 2.3617E-01 3.8947E-C4 3.8023E+C0 2.44791E+C0 2.3094E+C0 -1.2586E-C5 4.1425E-03 2.2743E+C0 4.01.00E-01 4.1425E-03 4.01.00E-01	3.4480E-02 1.9189E-01 3.1644E-04 3.0894E+00 2.1373E+00 2.1373E+00 1.5807E-05 1.1936E-01 2.2923E+00 3.4041E-01 -3.3300E-02 3.2416E-01	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E+00 1.9231E+00 2.3208E-00 -1.7734E-05 1.0752E-01 2.3059E-00 2.8062E-01 -3.7699E-02 2.6650E-01	2.7193E-02 1.5134E-01 2.4365E-00 1.8040E-00 1.8040E-00 8.8727E-06 5.9268E-02 2.3127E-00 2.5267E-01 -2.1450E-02	1=9  2.6755E-02 1.4890E-01 2.4555E-04 2.3972E-00 1.7832E-00 2.3271E-00 4.8117E-05 6.1570E-13 2.3142E-00 2.4488E-01 1.7614E-11	
/PTINF /PINF HO C C C C C C C C C C C C C C C C C C	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 6.7801E-05 -2.5066E-14 2.3132E+00 2.4479E-01 2.4479E-01 2.4479E-01 -2.5066E-14	2.7977E-C2 1.5570E-C1 2.5676E-C4 2.5067E+00 1.8405E+00 6.0186E+00 6.0186E+00 6.5.6598E-02 2.3116E+00 2.5215E-C1 2.3685E-02 2.4797E-01 -5.4331E-02	3.0536E-02 1.6954E-01 2.8025E-04 2.7336IE+00 1.9557E+00 2.3200E+00 -2.5287E-05 -1.0269E-01 2.3049E+00 2.8048E-01 4.2470E-02 2.6857E-C1 -9.1341E-02	3.5190E-02 1.5584E-C1 3.2297E-04 3.1531E+C0 2.1467E+C0 1.5667E-05 -1.1232E-01 2.2914E+00 3.4027E-01 4.0258E-C2 3.2691E-01 -1.0267E-01 2.7856E-01	4.2437E-02 2.3617E-01 3.6047E-C4 3.6023E+C0 2.4791E+C0 2.3094E+C0 -1.2586E-C5 4.1425E-03 2.2743E+C0 4.01.00E-01 4.1425E-03 4.01.00E-01 4.1425E-03	3.4480E-02 1.9189E-01 3.1644E-04 3.0894E+00 2.1373E+00 2.3146E-02 1.5807E-05 1.1936E-01 2.2923E+00 3.4041E-01 1.33300E-02 3.2416E-01 1.0911E-01 2.7394E-01	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 1.9231E-00 2.3208E-00 1.7734E-05 1.0752E-01 2.3059E-00 2.8062E-01 9.5639E-02 1.5377E-01	2.7193E-02 1.5134E-01 2.4365E-00 1.8040E-00 1.8040E-00 8.8727E-06 5.9268E-02 2.3127E-00 2.5267E-01 -2.1450E-02	1=9  2.6755E-02 1.4890E-01 2.4555E-04 2.3972E-00 1.7832E-00 2.3271E-00 4.8117E-05 6.1570E-13 2.3142E-00 2.4488E-01 1.7614E-11	
/PTINF /PINF HO C C C C C C C C C C C C C C C C C C	2,7523E-02 1,5317E-01 2,5260E-04 2,4661E+00 1,8196E+00 6,7801E-05 2,3261E+00 6,7801E-05 2,46479E-01 2,46479E-01 2,5066E-14 2,5066E-14 2,5066E-14 2,46479E-01 2,5066E-14	2.7077E-C2 1.5570E-01 2.5676E-04 1.8407E-00 1.8407E-00 6.0186E-06 -5.659E-02 2.3116E+00 2.5275E-G1 2.3685E-02 2.4797E-01 7.4331E-02 7.4323E-01 2.3116E+00	3.0536E-02 1.6994E-01 2.8025E-04 2.7361E+00 1.9557E+00 2.3200E+00 -2.5287E-05 -1.02269E-01 2.3049E+00 2.3048E-01 2.4048E-01 -2.134E-01 -2.134E-01 -2.15902E-01 -2.3559E-01	3.5190E-02 1.6584E-C1 3.2297E-04 3.1531E+00 2.1687E+00 -1.6667E-05 -1.1232E-01 3.4027E-01 4.0258E-01 -1.0267E-01 -1.0267E-01 -1.0267E-01 -1.956E-01 -1.9556E-01	4.2437E-02 2.3617E-01 3.6923E-00 2.4751E+00 2.3904E-05 4.1425E-03 2.2743E+00 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 2.2743E+00	3.4480E-02 1.9189E-01 3.1044E-03 3.0894E-00 2.3146E-00 -1.5807E-C5 1.1936E-01 3.6041E-01 1.0911E-01 2.7394E-01 2.7394E-01 2.0480E-01 2.2222E+00	2.9741E-02 1.6551E-G1 2.7295E-04 2.6648E+00 1.9231E+00 2.3208E+00 1.0752E-01 2.3059E+00 2.8062E-G1 2.6650E-01 9.5639E-02 2.557E-01 2.375E-01 2.375E-01	2.7193E-02 1.5134E-01 2.492E-04 2.492E-00 2.492E-00 2.3258E-00 2.3258E-02 2.3127E-00 2.5287E-01 -2.1450E-02 2.4741E-01 5.6495E-02 2.474E-01 5.6495E-02	1=9 2. 6735E-02 1. 4870E-01 2. 45755E-02 2. 45755E-04 2. 3972E-00 7. 722E-00 7. 722E-00 7. 722E-00 7. 722E-00 7. 722E-00 7. 722E-01	
/PTINF /PINF HO C C C C C C C C Z Z Z Z Z Z Z Z Z Z Z	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 6.7801E-05 6.7801E-05 6.7801E-05 2.4479E-01 -2.4647E-14 2.4479E-01 -2.5066E-14 -2.5066E-14 -2.5066E-14 -2.4479E-01 -2.4479E-01 -2.4479E-01 -2.4479E-01	2.7977E-C2 1.5570E-G1 2.5676E-C4 2.5004Fe-00 1.8405E-00 6.0184E-06 5.6558E-02 2.3116E-00 2.5275E-C1 2.34797E-01 -5.4331E-02 2.4797E-02 -2.423E-01 2.3116E+00 1.8CCEE+00	3.0536E-02 1.694E-01 2.8025E-04 2.7361E-00 1.9557E-00 1.9557E-00 2.3206E+02 -2.5287E-05 1.0229E-01 2.8048E-01 4.2470E-02 2.6657E-01 -9.1341E-02 2.6557E-01 -2.3559E-01 2.3049E-00 3.9221E-00	3.5190E-02 1.4594E-01 3.2597E-01 3.1531E-00 2.1667E-02 2.3141E-00 -1.5567E-05 3.4027E-01 4.0258E-02 3.2691E-01 -1.0227E-01 2.7856E-01 -1.9954E-01 -1.9954E-01 -2.9914E-00 6.9313E-00	4.2437E-02 2.3617E-01 3.6947E-04 3.8023E-00 2.4771E-00 2.3094E-00 -1.2566E-05 4.1425E-03 4.0100E-01 4.1425E-03 4.1425E-03 2.2743E-00 4.1425E-03 2.2743E-00 4.1425E-03 2.2743E-00	3.4480E-02 1.9189E-01 3.1644E-04 3.0894E+00 2.1373E+00 2.3146E+00 -1.5807E-05 1.9936E-01 2.2923E+00 3.6041E-01 -3.3300E-02 3.2416E-01 1.0911E-01 2.7394E-01 2.7480E-01	2.9741E-02 1.6551E-61 2.7295E-03 2.6648E+00 1.9231E+00 2.3208E+00 1.9732E-01 2.3059E+00 2.8062E-01 3.7699E-02 2.6650E-01 9.5639E-02 2.3059E+00 3.8150E+00 3.8150E+00 3.8150E+00	2.7193E-02 1.5134E-01 2.4525E-00 2.4525E-00 2.2526E-00 2.3225E-00 2.3127E-00 2.3127E-00 2.5267E-01 2.450E-02 2.4741E-01 7.05CEE-02 2.4371EE-01 1.05CEE-02 2.3371EE-01 1.3127E+00	1-9 2.6735E-02 1.4890E-01 2.5555E-04 2.5555E-04 2.5555E-04 2.5555E-04 2.5972E-05 2.5271E-05 2.5142E-01 1.7612E-11 2.648E-01 1.7612E-11 2.648E-01 1.7612E-11 2.648E-01 2.448E-01	
/PTINF /PINF HD  C C C C C C C X Y Z SINDR HETNOR BAR	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 -2.4647E-14 -2.5066E-14 -2.5066E-13 2.4479E-01 -2.5066E-13 8.3959E+01 6.268E-13 8.3959E+01	2.7977E-C2 1.5570E-C1 2.5676E-C4 2.5667E-00 1.84.05E+00 6.018EE-06 6.059EE-02 2.324EE+00 6.018E-06 2.5275E-C1 2.3695E-02 2.4797E-02 2.4797E-01 2.3116E+00 1.8CCEE+00 8.395EE+01	3.0536E-02 1.6934E-01 2.8025E-04 2.7361E+00 1.9557E+00 2.3200E+00 -2.5287E-05 1.0229E-01 2.3049E+00 2.8048E-01 4.2470E-02 2.6857E-02 2.6857E-02 2.3595E-01 2.3595E-01 2.3595E-01 6.477E-61	3.5190E-02 1.5584E-C1 3.2297E-04 3.1531E+C0 2.1867E+C0 2.3141E+C0 -1.5667E-05 -1.1232E-01 2.2914E+00 3.4027E-01 4.0258E-C2 3.2091E-01 1.0227E-01 2.7856E-01 2.2914E+00 6.9913E+C0 8.5059E+C1	4.2437E-02 2.3617E-01 3.6947E-02 3.6947E-02 2.4701E-02 2.4701E-02 2.3094E+02 1.2586E-03 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 2.2743E+02 4.0100E-01 2.2743E+02	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.3146E-00 3.464E-03 3.464E-03 3.464E-03 3.464E-03 3.246E-03 2.7394E-03 2.7394E-03 2.7394E-03 3.4300E-02 3.2416E-03	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 2.3208E-00 2.3208E-00 2.3208E-00 2.3734E-05 2.3054E-00 2.8062E-01 2.3054E-00 2.8062E-01 2.5537E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01	2.7193E-02 1.5134E-01 2.4367E-08 2.4367E-00 2.4367E-00 8.8727E-00 5.926E-02 2.3127E-00 2.5287E-01 2.1450E-02 2.437EE-01 2.437EE-01 2.437EE-01 2.437EE-01 2.437EE-01 2.437EE-01	1=9 2.6755E-02 1.4870E-01 2.4575E-04 2.4575E-04 2.3972E-00 2.271E-00 6.1570E-13 2.3142E-00 2.4488E-01 2.4488E-01 2.4488E-02 2.4488E-02 2.4488E-03 2.4488E-03	
/PTINF /PINF HD C C C C C C C X Y Y Z SINOR HETNOR BAR RHLD BAR RHLD	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 -2.4647E-14 -2.5066E-14 -2.5066E-13 2.4479E-01 -2.5066E-13 8.3959E+01 6.268E-13 8.3959E+01	2.7977E-C2 1.5570E-C1 2.5676E-C4 2.5667E-00 1.84.05E+00 6.018EE-06 6.059EE-02 2.324EE+00 6.018E-06 2.5275E-C1 2.3695E-02 2.4797E-02 2.4797E-01 2.3116E+00 1.8CCEE+00 8.395EE+01	3.0536E-02 1.6934E-01 2.8025E-04 2.7361E+00 1.9557E+00 2.3200E+00 -2.5287E-05 1.0229E-01 2.3049E+00 2.8048E-01 4.2470E-02 2.6857E-02 2.6857E-02 2.3595E-01 2.3595E-01 2.3595E-01 6.477E-61	3.5190E-02 1.5584E-C1 3.2297E-04 3.1531E+C0 2.1867E+C0 2.3141E+C0 -1.5667E-05 -1.1232E-01 2.2914E+00 3.4027E-01 4.0258E-C2 3.2091E-01 1.0227E-01 2.7856E-01 2.2914E+00 6.9913E+C0 8.5059E+C1	4.2437E-02 2.3617E-01 3.6947E-02 3.6947E-02 2.4701E-02 2.4701E-02 2.3094E+02 1.2586E-03 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 2.2743E+02 4.0100E-01 2.2743E+02	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.3146E-00 3.464E-03 3.464E-03 3.464E-03 3.464E-03 3.246E-03 2.734E-03 2.734E-03 2.734E-03 8.849E-00 8.8493E-00 8.8493E-00 8.8493E-00 8.8493E-00	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 2.3208E-00 2.3208E-00 2.3208E-00 2.3734E-05 2.3054E-00 2.8062E-01 2.3054E-00 2.550E-01 2.550E-01 2.3775E-01 2.3775E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01	2.7193E-02 1.5134E-01 2.4367E-08 2.4367E-00 2.4367E-00 8.8727E-00 5.926E-02 2.3127E-00 2.5287E-01 2.1450E-02 2.437EE-01 2.437EE-01 2.437EE-01 2.437EE-01 2.437EE-01 2.437EE-01	1=9 2.6755E-02 1.4870E-01 2.4575E-04 2.4575E-04 2.3972E-00 2.271E-00 6.1570E-13 2.3142E-00 2.4488E-01 2.4488E-01 2.4488E-02 2.4488E-02 2.4488E-03 2.4488E-03	
/PTINF /PINF HD C C C C C C C C C C S INDR HEINDR BAR RHID BAR BHID BAR BHID	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 2.44479E-01 2.4547E-14 2.4579E-01 2.4579E-01 3.3132E+00 6.268E-13 8.3959E+01 0. 0. 0.0000E-01 0.0000E-01	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5506TE-00 1.8405E-00 2.3248E+00 6.0184E-06 -5.6598E-02 2.3311E+00 2.5275E-C1 2.3318E-02 2.4797E-01 2.3318E-02 2.4797E-01 2.3318E-02 3.695E-01 2.3315E-02 3.695E-01 3.8C2E+00 8.365E+01 6.000CE-01 6.000CE-01	3.0536E-02 1.6954E-01 2.8025E-01 2.8025E-01 2.7301E-00 2.32006+00 2.32006+00 2.5287E-05 -1.0269E-01 2.3049E-01 2.3049E-02 2.6657E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01	3.5190F-02 1.9564F-C1 3.1531E+C0 3.1531E+C0 2.1687E+C0 2.3141E+00 2.3141E+00 3.4027E-01 2.2514E+00 3.4027E-01 2.2514E+00 3.4027E-01 2.2514E+00 3.4027E-01 2.2514E+00 3.4027E-01 2.2514E+00 3.4027E-01 2.2514E+00 4.0258E-02 2.2514E+00 4.0258E-02 2.2514E+00 4.5059E+01 2.2514E+00 4.5059E+01 2.2514E+00 4.5059E+01 2.2514E+00 4.5059E+01 4.7723E+01 4.7800E-11 4.28865E-01 4.28865E-01	4. 2437E-02 2.3617E-01 3.6947E-01 3.6947E-02 2.4791E-02 2.4791E-02 2.3094E+02 1.2586E-03 4.125E-03 4.100E-01 4.102E-03 4.100E-01 4.102E-03 2.2743E+02 9.9997E-00 6.9997E-00 6.9997E-00 6.9900E-01 1.0000E-01 1.0000E-01	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E+00 2.31376+00 2.31376+00 2.3136E-03 3.6041E-01 3.6041E-01 2.7232E+00 3.2416E-01 2.7394E-01 2.7394E-01 3.800E-02 3.2416E-01 3.7394E-01 3.800E-02 3.800E-01 3.800E-01 3.800E-01 3.800E-01 3.800E-01 3.800E-01 3.800E-01 3.800E-01 3.800E-01	2.9741E-02 1.6551E-01 2.7295E-04 2.66A8E-00 2.3208E-00 2.3208E-00 1.0732E-01 1.7734E-05 1.0752E-01 2.3059E-00 2.8062E-01 2.3059E-00 2.5539E-02 2.5539E-02 2.5775E-01 2.3059E-00 8.4126E-01 6.1784E-01 6.1784E-01 6.4714E-01	2.7193E-02 1.5134E-01 2.4367E-00 2.4367E-00 2.4367E-00 5.926E-02 2.3127E-00 2.3227E-02 2.3127E-00 2.3227E-01 2.3127E-00 2.3227E-01 2.3127E-00 3.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01 2.437E-01	1=9 2.6755E-02 1.6890E-01 2.6975E-04 2.9772E-05 2.271E-00 2.271E-00 2.3142E-00 2.3142E-00 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 6.920E-13 6.920E-06 6.920E-16 6.920E-16 6.920E-16 6.920E-16 6.920E-16 6.920E-16 6.920E-16	
ZPIINF HD CC CC CC CC CZ ZI	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 1.8196E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 2.44479E-01 2.45471E-14 2.5066E-14 -2.5066E-14 -2.5066E-14 -2.5066E-18 -2.4479E-01 2.413132E+00 0.000E-01 -0.000E-01 -0.000E-01 0.0758E-03 5.5986E+00	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5506TE-00 1.8405E+00 2.3248E+00 6.0184E-06 -5.659E-02 2.3314E+00 2.5215E-C1 2.3685E-01 2.3685E-02 2.4791E-01 2.3114E+00 2.5225E-C1 2.3115E-C0 2.4923E-01 2.3115E-C0 6.900CE-01 6.000CE-01 6.000CE-01 6.35485E-03	3.0536E-02 1.6954E-01 2.8025E-04 2.7301E+00 1.9557E+00 2.3200E+00 2.5287E-05 -1.0229E-01 2.3049E-00 2.8048E-01 4.2470E-02 2.6657E-01 1.5802E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 3.9221E+00 8.4177E+01 4.7178E-01 6.0000E-01 0.32725E-03	3.5190F-02 1.5564F-C1 3.1531F-C0 3.1531F-C0 2.1607F-C0 2.1401F-C0 2.3141E-00 3.4027F-C1 3.027F-C2 3.2091E-01 2.7914E-00 2.314F-C0 2.3377F-C0 3.36256F-C0 3.36256F-C0	4. 2437F-02 2.3617F-01 3.6947E-01 3.6947E-02 2.4791F-02 2.4791F-02 2.4791F-02 2.1256F-03 4.1256F-03 4.100F-01 4.1425F-03 4.100F-01 4.1425F-03 4.100F-01 6.100F-01 6.100F-01 6.100F-01 6.100F-01 6.100F-01 6.100F-01 6.100F-01	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E+00 2.1373E+00 2.3146E+00 3.4041E-01 3.4041E-01 3.4041E-01 2.723E+00 3.4041E-01 2.7394E-01 2.7394E-01 6.8149E+00 8.4733E+01 6.7723E-01 6.900E-01 6.9000E-01 6.0000E-01 6.0000E-01 6.7349E-03 6.7349E-03 6.7349E-03 6.7349E-03 6.7349E-03 6.7349E-03 6.7349E-03 6.7349E-03 6.7349E-03	2.9741E-02 1.6551E-01 2.7295E-04 2.66A8E-00 1.9231E+00 2.3208E+00 2.3208E+00 2.309E+00 2.3059E+00 2.3059E+00 2.8062E-01 2.3059E+00 2.5539E-02 1.5377E-01 2.3059E+00 8.4126E+01 6.1784E-01 6.0000E-01 6.0000E-01 6.3247E-03	2.7193E-02 1.5134E-01 2.4367E-08 2.4367E-08 2.4367E-00 2.3258E-00 5.926E-02 2.3127E-00 2.3227E-01 2.3127E-00 2.3227E-01 2.3127E-00 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01	1=9 2. 6735E-02 1. 4890E-01 2. 4535E-04 2. 4535E-04 2. 4535E-04 2. 4535E-04 2. 4535E-04 2. 4535E-05 2. 4488E-01 6. 920E-13 6. 920E-11 6. 920E-13 6. 920E-11 6. 920E-13 6. 920E-11 6. 920E-13 6. 920E-11 6. 920E-13 6.	
ZPIINF HD CC CC CC CC CC Z Z SINDR HEINDR BAR RHID BAR RHID BAR RHID BAR RHID BAR RHID TA	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 -2.4647E-14 -2.5066E-14 -2.5066E-13 8.3959E+01 0.6468E-13 8.3959E+01 0.7758E-00 0.7758E-00 6.7758E-00 6.7758E-00	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-00 2.3248E+00 2.3248E+00 2.5275E-61 2.318E-00 2.5275E-61 2.3685E-02 2.4797E-01 2.318E-00 2.4923E-02 2.4923E-02 2.4923E-03 3.1552E-C1 2.695E-01	3.0536E-02 1.6954E-01 2.8025E-04 2.7361E-00 1.9557E-00 2.3200E-00 2.5287E-05 -1.0269E-01 2.3049E-01 2.3049E-01 2.4048E-01 2.4048E-01 2.5805E-01 1.5802E-01 2.3549E-01 2.4359E-01 2.4359E-01 2.4359E-01 3.9221E-00 8.4177E-01 6.0000E-01 0.32725E-03 5.6081E-00 6.650E-0	3.5190F-02 1.5564F-01 3.1531E-00 3.1297F-04 3.1531E-00 2.1687F-005 -1.1232E-01 2.2914E-00 3.4027F-01 2.2914E-00 3.4027E-01 2.7856E-02 2.7856E-02 2.7856E-01 2.7934E-01 2.7934E-01 2.7934E-01 2.7934E-01 2.7934E-01 2.7934E-01 2.7935E-01	4.2437E-02 2.3617E-01 3.6947E-04 3.6923E-00 2.4791E-00 2.4791E-00 2.3094E-00 1.2566E-05 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 2.2743E-00 4.0100E-01 1.1425E-03 2.2743E-00 2.2743E-00 2.2743E-00 2.2743E-00 2.3743E-00	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.3146E-00 3.604E-03 3.604E-03 3.604E-03 3.604E-03 3.2046E-03 3.2046E-03 2.2023E-00 2.7394E-03 2.040E-03 2.2023E-00 8.4031E-03 8.7723E-03 6.900E-13 2.8005E-03 6.900E-13 2.8005E-03 6.900E-13 2.8005E-03 6.900E-13 2.8005E-03 6.9000E-03 3.7749E-03 5.6261E+00 6.5373E+00 6.5373E+00	2.9741E-02 1.6551E-61 2.7295E-04 2.66A8E-00 1.9231E+00 2.3208E+00 2.3208E+00 2.309E+00 2.3059E+00 2.3059E+00 2.5059E-01 2.3755E-01 3.6156E+00 6.1784E-01 6.0000E-01 6.0000E-01 6.0000E-01 6.0000E-01 6.0000E-01 6.0000E-01	2.7193E-02 1.5134E-01 2.4367E-00 2.4367E-00 2.3258E-00 8.8727E-00 5.926E-02 2.3127E+00 2.3287E-01 2.3127E+00 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01 2.4376E-01	1=9 2. 6735E-02 1. 4890E-01 2. 972E-00 2. 2972E-00 2. 4488E-01 2. 3142E-00 6. 8938E-10 8. 3960E-01 6. 6000E-01 6. 5000E-01 6.	
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VPTINF VPINF HD  C C C C C C C C C C C C C C C C C C	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 2.3261E+00 2.3261E+00 2.3261E+00 2.46479E-01 2.46479E-01 2.46479E-01 2.5066E-14 2.24579E-01 2.6468E-13 8.3959E+01 0.64000E-01 0.7538E-03	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5506TE-00 2.3248E+00 2.3248E+00 2.5275E-C1 2.311E+00 2.5275E-C1 2.348E-02 2.4797E-C1 2.311E+00 2.5275E-C1 2.348E-02 2.4797E-C1 2.311E+00 2.5275E-C1 2.311E+00 2.5275E-C1 2.311E+00 2.3492E-C1 2.311E+00 2.4528E-C1	3.0536E-02 1.6954E-01 2.8025E-04 2.7361E-00 1.9557E-00 2.3200E-02 2.5287E-05 -1.0229E-01 1.23049E-00 2.3048E-01 2.3049E-00 2.46857E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3725E-03 3.9221E-00 3.4725E-03 3.6081E-00 2.4559E-02 2.4559E-02 3.9221E-00 3.9432E-01 3.9221E-00 3.9231E-00 3.9	3.5190E-02 1.5564E-C1 3.1531E-C0 3.1697E-C1 4.31531E-C0 2.3141E-00 2.3141E-00 3.4027E-01 2.2514E-00 3.4027E-01 2.7856E-02 2.7856E-02 2.7856E-01 2.8855E-01 2.8855E-01 2.8855E-01 2.8855E-01 2.8855E-01 2.8856E-01 2.8856E-01	4.2437E-02 2.3617E-01 3.6947E-04 3.6923E+00 2.4771E+00 2.3904E+00 2.3904E+00 2.2473E+00 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 2.2743E+00 4.1425E-03 2.2743E+00 6.9907E-00 6.9807E-01 6.9907E-01 6.9907E-01 6.9308E-01	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.3146E-00 3.404E-03 3.404E-03 3.404E-03 3.404E-03 3.404E-03 2.2923E-00 2.723E-03 2.040E-03 2.723E-03 6.8493E-03 8.7723E-03 6.8493E-03 5.626E-03 3.300E-02 3.773E-03 6.8593E-03 6.8593E-03 6.8593E-03 6.8593E-03 6.8593E-03 6.8583E-03 6.859	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 1.9231E-00 2.3208E-00 1.9734E-05 1.0792E-01 2.3054E-00 2.8062E-01 2.3054E-00 2.8062E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01 2.375E-01 3.8150E-00 6.174E-01 6.174E-01 6.174E-01 6.000E-01 6.323E-02 8.653E-02 1.953E-02 8.653E-02 8.653E-02 8.653E-02 8.653E-02 8.653E-02 8.653E-02 8.653E-02 8.653E-02 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01 8.753E-01	2.7193E-02 1.5134E-01 2.4325E-00 2.4325E-00 2.3225E-00 2.5225E-00 2.5227E-00 2.5227E-00 2.5227E-01 2.3127E-00 2.5287E-01 2.1450E-02 2.4741E-01 2.1450E-02 2.473E-01 2.1450E-02 2.473E-01 2.1450E-02 2.473E-01 2.1450E-01	1=9 2.4755E-02 1.4870E-01 2.4575E-04 2.4575E-04 2.3972E-00 2.271E-00 2.271E-00 2.3142E-00 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.1142E-00 3.1142E-00 3.1142E-00 3.1142E-00 3.1142E-00	
CCCCCCCCXYYZSINDRHEIDBRARABARABARABARABARABARABARABARABARABA	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.3132E+00 2.44478E-01 2.44478E-01 -2.5066E-14 -2.5066E-14 -2.5066E-16 -2.5090E-01 -2.5066E-16 -2.5066E-16	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-00 2.3248E-00 6.0186E-06 -5.6558E-02 2.3316E-00 2.5275E-C1 2.3495E-01 2.3495E-01 2.3495E-01 2.3495E-01 2.3495E-01 2.3495E-01 3.1552E-C1 2.3116E-00 1.8CCEE+00 3.1552E-C1 2.3116E-00 1.8CCEE+00 3.1552E-C1 2.3116E-00 1.8CCEE+00 1.8CSEE+01 3.1532E-C1 0.4980E-01 2.4116E-02 0.55090E-01 0.5564E-01 1.6564E-01 1.6564E-01 1.6564E-02 1.1505E-02 2.55090E-01 2.7370E-C4 2.5152E-C2	3.0536E-02 1.695E-04 2.7301E+00 1.955TE+00 2.3200E+00 2.3200E+00 2.3200E+00 2.3204E+00 2.3049E+01 2.3049E+01 2.3049E+01 2.4048E-01 4.2470E-02 2.685TE-01 -0.1341E-02 2.1349E+02 2.349E+00 3.9221E+00 3.9221E+00 013418E-01 -0.1718E-01 01718E-01	3.5190E-02 1.5564E-C1 3.1591E-03 3.1591E-03 2.1687E-04 3.1591E-03 2.1687E-03 2.3141E-00 2.3141E-01 2.2714E-03 3.2691E-01 -1.02267E-01 2.7856E-01 -1.9756E-01 8.77723E-01 6.9313E-03 6.9519E-03 8.5059E-03	4.2437E-02 2.3617E-01 3.6947E-04 3.6923E-00 2.4791E-00 2.4791E-00 2.4791E-00 2.4791E-00 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 1.0000E-00 6.9897E-00 6.9897E-00 6.9897E-00 6.9897E-00 6.9897E-00 6.9897E-00 6.9897E-00 6.9897E-01 6.000E-01 6.000E-01 6.2535E-00 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03 6.4583E-03	3.4480E-02 1.9189E-01 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.31466E-00 1.5007E-05 1.5007E-05 3.6041E-01 2.2923E-00 3.2416E-01 1.0911E-01 2.0480E-01 2.2923E+00 6.8149E-00 6.8149E-00 6.8149E-00 6.9000E-01 6.900	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 1.9231E+00 2.3208E-00 2.3208E-00 2.3208E-00 2.3059E-00 2.8062E-01 2.8062E-01 2.8062E-01 2.8059E-02 2.8059E-02 2.8059E-02 2.3059E-03 3.8150E-00 3.8150E-00 6.1784E-01 6.9000E-01	2.7193E-02 1.5134E-01 2.4357E-06 2.4367E-00 2.2538E-00 8.8727E-06 5.266E-02 2.127E-00 2.2287E-01 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02	1=9 2.6733E-02 1.8890E-01 2.8973E-02 2.7573E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.488E-01 2.488E-01 2.488E-01 2.488E-03 2.4888E-03 2.4	
CCCCCCCCXYYZSINDRHEIDBRARABARABARABARABARABARABARABARABARABA	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.3132E+00 2.44478E-01 2.44478E-01 -2.5066E-14 -2.5066E-14 -2.5066E-16 -2.5090E-01 -2.5066E-16 -2.5066E-16	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-00 2.3248E-00 6.0186E-06 -5.6558E-02 2.3316E-00 2.5275E-C1 2.3495E-01 2.3495E-01 2.3495E-01 2.3495E-01 2.3495E-01 2.3495E-01 3.1552E-C1 2.3116E-00 1.8CCEE+00 3.1552E-C1 2.3116E-00 1.8CCEE+00 3.1552E-C1 2.3116E-00 1.8CCEE+00 1.8CSEE+01 3.1532E-C1 0.4980E-01 2.4116E-02 0.55090E-01 0.5564E-01 1.6564E-01 1.6564E-01 1.6564E-02 1.1505E-02 2.55090E-01 2.7370E-C4 2.5152E-C2	3.0536E-02 1.695E-04 2.730E-00 1.955TE-00 2.3200E-00 2.3200E-00 2.320E-00 2.320E-00 2.3049E-00 2.3049E-00 2.4648E-01 2.3049E-00 2.4685TE-01 2.3059E-01 2.3059E-01 2.3059E-01 2.3059E-01 2.3059E-01 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-01 4.7118E-01 6.4718E-01 6.4718E-01 6.4883E-02 1.1705E-02 9.2715E-01 4.7316E-10 2.3657E-01 4.7316E-10 2.367E-01 1.1553E-02 6.3875E-02 6.3875E-02	3.5190E-02 1.5564E-C1 3.1591E-03 3.1297E-04 3.1591E-03 2.1687E-05 2.1567E-05 2.1567E-05 2.1567E-05 2.1567E-05 2.2514E-00 3.2091E-01 2.2614E-00 3.2091E-01 2.7656E-01 2.7856E-01 2.7954E-01 3.2091E-01 2.7856E-01 2.7954E-01 3.5057E-03 3.5050E-11 -2.8865E-C1 -2.931E-03 3.1589E-01 4.9566E-03 3.1589E-01 4.9566E-03 3.1589E-01 4.9566E-03 3.1589E-01 4.9566E-03 3.1589E-01 2.4439E-C1 1.9956E-10 -2.4439E-C1 1.9956E-10 -2.4439E-C1 1.19956E-10 -2.4439E-C1 1.19956E-10 -2.4439E-C1 1.19956E-10 -2.4439E-C1 1.19956E-10	4.2437E-02 2.3617E-01 3.6947E-04 3.6923E-00 2.4791E-00 2.4791E-00 2.3904E-05 4.1425E-03 4.100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 1.000E-01 6.9897E-00 1.000E-00 6.9897E-01 1.000E-01 6.9897E-01 6.9897E-01 7.5551E-00 6.3235E-00 1.1343E-02 6.4583E-03	3.4480E-02 1.9189E-01 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.31466E-00 1.1936E-01 2.2023E-00 3.300E-02 3.2016E-01 1.0911E-01 2.0480E-01 2.0739E-01 2.2723E-00 6.8149E-00 8.4731E-01 2.8805E-01 6.0000E-01 0.5373E-00 0.5373E-00 0.5373E-00 1.1905E-02 8.5090E-01 9.2715E-01 -2.4373E-01 -2.1266E-10 -2.1266E-10 -2.1266E-10 -2.1266E-10 -2.1376E-01 -2.1036E-01 9.9348E-01	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 1.9231E+00 2.3208E-00 2.3208E-00 2.3208E-00 2.3059E-00 2.8062E-01 2.8062E-01 2.8062E-01 2.8059E-02 2.8059E-02 2.8059E-02 2.3059E-03 3.8150E-00 3.8150E-00 6.1784E-01 6.9000E-01	2.7193E-02 1.5134E-01 2.4357E-06 2.4367E-00 2.2538E-00 8.8727E-06 5.266E-02 2.127E-00 2.2287E-01 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1450E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02 2.1526E-02	1=9 2.6733E-02 1.8890E-01 2.8973E-02 2.7573E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.3972E-03 2.488E-01 2.488E-01 2.488E-01 2.488E-03 2.4888E-03 2.4	
CCCCCCCCXYYZSINDRHENDRHENDRHENDRHENDRHENDRHENDRHENDRHE	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 2.4479E-01 2.4479E-01 2.4579E-01 2.4579E-01 2.4579E-01 2.4579E-01 2.5066E-14 2.5066E-14 -2.5066E-01 0.0 0.3269E-02 0.0 0.0 0.3269E-02 0.0 0.0 0.3269E-02 0.0 0.0 0.3269E-02 0.0 0.0 0.32758E-03 0.0 0.32758E-03 0.0 0.0 0.32758E-03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-00 2.3248E-00 2.3248E-00 2.5275E-C1 2.311E-00 2.5275E-C1 2.3491E-02 2.4797E-C1 2.3491E-02 2.4797E-C1 2.3492E-C1 2.5599CE-C1 2.5599CE-C1 2.7372E-C4 2.5599CE-C1 2.7370E-C4 2.5596E-C2 2.5599CE-C1 2.7370E-C4 2.5599CE-C1	3.0536E-02 1.695E-04 2.8025E-04 2.7301E+00 1.955TE-00 2.3200E+00 2.3200E+00 2.3204E+00 2.3049E-01 2.3049E-01 2.3049E-01 2.3049E-01 2.3049E-01 2.3559E-01 2.3559E-01 3.9221E+00 3.9221E-00 3.9221E-00 3.9221E-00 3.921E-00 2.4559E-01 4.7118E-01 6.0000E-01 6.0000E-01 6.4583E-02 1.1705E-02 8.5790E-01 4.7316E-10 2.3473E-01 1.1553E-02 6.3875E-02 6.3875E-02 6.3875E-02 6.3875E-02 6.3875E-02	3.5190E-02 1.5564E-C1 3.1591E-03 3.1297E-04 3.1591E-03 2.1687E-05 2.1687E-05 -1.123E-01 4.0258E-02 3.2691E-01 -1.0267E-01 2.7856E-01 -1.7954E-01 2.7856E-01 -1.7956E-01 -2.8865E-02 3.591E-03 -3.597E-03 -3.597E-	4.2437E-02 2.3617E-01 3.6947E-04 3.6923E-00 2.4791E-00 2.4791E-00 2.3094E-00 1.2566E-05 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 2.2743E-00 9.9997E-00 9.9897E-01 1.000E-01 6.9807E-01 1.000E-01 6.9807E-01 1.308E-11 -1.8308E-11 -1.8308E-11 -1.8308E-11 -1.8308E-11 -1.8308E-11 -2.5595E-00 9.2597E-00 9.2597E-01 9.2597E-01 9.2597E-01 9.2597E-01 9.2597E-01 9.2597E-01 9.2597E-01 9.2597E-01	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.1373E-00 3.404E-03 3.404E-03 3.404E-03 3.404E-03 2.2923E-00 6.8149E-03 2.2923E-00 6.8149E-03 8.7723E-03 6.805E-03 6.8000E-03 5.6261E-00 6.5373E-03 6.5373E-03 6.5373E-03 6.5373E-03 6.5373E-03 6.5373E-03 6.7373E-03	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 2.3208E-00 2.3208E-00 2.3208E-00 2.3058E-00 2.8062E-01 2.3059E-00 2.8062E-01 2.3059E-01 2.3059E-01 3.769E-02 2.3059E-03 3.8150E-00 3.8150E-00 3.8150E-00 6.1784E-01 6.1784E-01 6.1784E-01 6.2000E-01 6.3000E-01 6	2.7193E-02 1.5134E-01 2.4367E-06 2.4367E-06 2.2528E-09 5.266E-02 2.3127E-06 2.327E-08 2.3127E-00 2.327E-09 2.3127E-00	1=9 2.6733E-02 1.8890E-01 2.8972E-06 2.3972E-06 2.3972E	
PPINF  PPINF  CC CC CC CC CX YY ZSINDR  METNOR  BAR BAR BHLD BAR BHLD TA BORGGAP T/PTINF T FENDUL VOZ PP P	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 2.4479E-01 2.4479E-01 2.4479E-01 2.4679E-01 2.4679E-01 2.4679E-01 2.4679E-01 2.5066E-14 2.4679E-01 2.5066E-14 2.4679E-01 2.5066E-14 2.4679E-01 3.3132E+00 6.2088E-13 3.9599E-01 6.20000E-01 6.3017E-14 6.4583E-02 1.1005E-02 2.55090E-01 9.2715E+01 7.3017E-14 4.4929E-29 -4.4833E-16 -1.5056E-14 -1.52E-30	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-00 2.3244E-00 2.3244E-00 2.5275E-C1 2.3415E-C1 2.3495E-C1 2.3497E-C2 2.4931E-C3 2.497E-C1 2.3495E-C1 2.3495E-C1 2.3495E-C1 2.3495E-C1 2.3116E-00 1.8CC 8E+00	3.0536E-02 1.695E-04 2.8025E-04 2.7361E-00 1.955TE-00 2.3200E+00 2.3200E+00 2.3204E-00 2.3049E-01 2.3049E-01 2.4048E-01 4.2470E-02 2.685TE-01 -9.1341E-02 2.3049E-01 -2.3559E-01 -3.3559E-01 -4.7178E-01 6.178E-01 6.9800E-11 -4.7178E-01 6.0000E-01 0.0	3.5190E-02 1.5564E-C1 3.1591E-03 3.1591E-03 3.1616+030 -1.5647E-05 -1.3232E-01 2.2514E-03 3.4027E-01 4.0258E-02 2.7656E-01 -1.9756E-01 -2.7656E-01 -1.7723E-01 8.77723E-01 6.93131E-03 6.9	4. 2437E-02 2. 3617E-01 3. 6947E-04 3. 6023E-00 2. 4791E-02 2. 4791E-02 2. 4791E-02 2. 4791E-02 4. 0100E-01 4. 1425E-03 4. 0100E-01 4. 1425E-03 4. 0100E-01 4. 1425E-03 2. 2743E+00 6. 9997E-001 1. 0000E-01 -0. 9997E-001 1. 0000E-01 -0. 2549E-03 2. 2743E+00 6. 3807E-01 1. 0000E-01 -0. 9997E-01 1. 0000E-01 -0. 2555E-00 6. 3235E-00 6. 3235E-00 6. 3235E-00 6. 3235E-00 6. 3235E-00 6. 3215E-01 8. 3215E-01	3. 4480 E-02 1. 9189E-01 3. 1644E-04 3. 1694E-00 2. 1373E-00 2. 1373E-00 2. 1373E-00 2. 2923E-00 3. 6041E-01 2. 2923E-00 3. 2416E-01 1. 931E-01 2. 2923E-00 6. 8149E-00 6. 8149E-00 6. 8149E-00 6. 8149E-00 6. 9800E-01 2. 32805E-01 6. 9800E-01 2. 32805E-01 6. 9800E-01 2. 4075E-03 6. 4583E-02 1. 1905E-02 2. 4075E-03 1. 4036E-01 9. 9348E-01	2.9741E-02 1.6551E-G1 2.7295E-04 2.6648E+00 2.3208E+00 2.3208E+00 2.3208E+00 2.3059E+00 2.3059E+00 2.8062E-G1 3.7699E-02 2.6650E-01 9.5639E-02 2.3778E-01 2.3778E-01 2.3778E-01 3.8150E+00 6.1784E-01 6.1784E-01 6.9600E-11 4.7178E-03 6.0000E-01 6.0000E-01 6.0000E-01 6.9600E-11	2.7193E-02 1.5134E-01 2.4357E-06 2.4365E-00 2.3258E-00 8.8727E-06 5.9266E-02 2.127E-00 2.2287E-01 2.1450E-02 2.1450E-02 2.4741E-01 2	1=9 2.6733E-02 1.4890E-01 2.4972E-00 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.4488E-01 2.5488E-01	PT/PTIME
PPINF  PPINF  CC CC CC CC CX YY ZSINDR  METNOR  BAR BAR BHLD BAR BHLD TA BORGGAP T/PTINF T FENDUL VOZ PP P	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4479E-01 2.4479E-01 2.4479E-01 2.4479E-01 2.4679E-01 2.4679E-01 2.4679E-01 2.4679E-01 2.5066E-14 2.4679E-01 2.5066E-14 2.4679E-01 2.5066E-14 2.4679E-01 3.3132E+00 6.2088E-13 3.9599E-01 6.20000E-01 6.3017E-14 6.4583E-02 1.1005E-02 2.55090E-01 9.2715E+01 7.3017E-14 4.4929E-29 -4.4833E-16 -1.5056E-14 -1.52E-30	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-00 2.3244E-00 2.3244E-00 2.5275E-C1 2.3415E-C1 2.3495E-C1 2.3497E-C2 2.4931E-C3 2.497E-C1 2.3495E-C1 2.3495E-C1 2.3495E-C1 2.3495E-C1 2.3116E-00 1.8CC 8E+00	3.0536E-02 1.695E-04 2.730E-00 1.955TE-00 2.3200E-00 2.3200E-00 2.320E-00 1.0269E-01	3.5190E-02 1.5564E-C1 3.1531E-03 2.1687E-C4 3.1531E-03 2.1687E-C6 2.3141E-03 2.1567E-C6 2.3141E-03 2.568E-C2 2.3146E-03 3.2591E-01 1.02267E-01 1.02267E-01 2.7856E-02 2.7856E-01 2.1830E-01 2.1830E-01 1.1222E-01 1.1222E-01 1.1222E-01 1.1222E-01 1.1222E-01 1.1222E-01	4.2437E-02 2.3617E-01 3.6947E-04 3.6923E-00 2.4771E-02 2.4771E-02 2.4771E-02 2.1256E-05 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 1.1425E-03 4.0100E-01 1.2743E-03 2.2743E-00 8.9897E-00 8.9897E-01 1.0000E-01 C. 9.9997E-00 8.9887E-01 1.000E-01 C. 8.3235E-01 1.343E-02 6.3235E-01 8.3235E-01 1.343E-02 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01 8.3235E-01	3.4480E-02 1.9189E-03 3.1644E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.1373E-00 3.404E-03 3.404E-03 3.404E-03 3.404E-03 2.2923E-00 6.8149E-03 2.2923E-00 6.8149E-03 8.7723E-03 6.805E-03 6.8000E-03 5.6261E-00 6.5373E-03 6.5373E-03 6.5373E-03 6.5373E-03 6.5373E-03 6.5373E-03 6.7373E-03	2.9741E-02 1.6551E-G1 2.7295E-04 2.6648E+00 2.3208E+00 2.3208E+00 2.3208E+00 2.3059E+00 2.3059E+00 2.8062E-G1 3.7699E-02 2.6650E-01 9.5639E-02 2.3778E-01 2.3778E-01 2.3778E-01 3.8150E+00 6.1784E-01 6.1784E-01 6.9600E-11 4.7178E-03 6.0000E-01 6.0000E-01 6.0000E-01 6.9600E-11	2.7193E-02 1.5134E-01 2.4357E-06 2.4365E-00 2.3258E-00 8.8727E-06 5.9266E-02 2.127E-00 2.2287E-01 2.1450E-02 2.1450E-02 2.4741E-01 2	1=9 2.6733E-02 1.8890E-01 2.8972E-06 2.3972E-06 2.3972E	PT/PTIME
PPINF HO IC CC CC CC CC CC Y Y SINDR HETNOR BAR BALD TA ROSSM BABLD TA ROSSM R	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 6.7801E-05 -2.5066E-14 2.4.479E-01 2.4.479E-01 2.4.479E-01 2.4.479E-01 6.2.5066E-14 -2.5066E-14	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-000 2.3244E-000 2.3244E-000 2.3244E-000 2.5275E-C1 2.33085E-C1 2.33085E-C1 2.34924E-001 3.1952E-C1 2.4923E-01 2.4923E-02 2.4923E-02 2.4923E-02 2.4923E-02 2.4923E-02 2.3114E-02 1.8564E-01 3.1952E-C1 2.312E-03 3.1952E-C1 2.5599E-03 2.5599E-03 2.7370E-04 2.5552E-C2 2.5599E-03 2.7370E-04 2.5552E-C2	3.0536E-02 1.695E-04 2.8025E-04 2.7301E-00 1.955TE-00 2.3200E-00 2.3200E-00 2.3049E-00 2.3049E-00 2.4048E-01 2.3049E-00 2.4685TE-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 2.3559E-01 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-00 3.9221E-01 4.716E-01 4.716E-01 4.716E-01 4.716E-01 4.716E-01 4.716E-01 5.307E-01 5.307E-01 5.307E-01	3.5190E-02 1.5564E-C1 3.1531E-03 2.1687E-C4 3.1531E-03 2.1687E-C6 2.3141E-03 2.1567E-C6 2.3141E-03 2.568E-C2 2.3146E-03 3.2591E-01 1.02267E-01 1.02267E-01 2.7386E-01 2.7396E-01	4.2437E-02 2.3617E-01 3.6947E-04 3.6023E-00 2.3094E-02 2.4751E-02 2.3094E-02 1.2566E-05 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 1.1425E-03 4.0100E-01 6.2743E-00 6.9807E-00 6.9807E-00 6.9807E-00 6.9807E-00 6.9807E-00 6.9807E-01 6.9806E-01 6.9806E-01 6.9806E-01 6.9806E-01 6.9806E-01 6.9806E-01 6.9806E-01 6.9807E-01	3.4480E-02 1.9189E-03 1.9148E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.1373E-00 2.31466E-00 3.4041E-01 3.2023E-00 3.4041E-01 2.2023E-00 3.4041E-01 2.7394E-01	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 1.9231E+00 2.3208EE00 2.3208EE00 2.3059E-00 2.8062E-01 2.3059E-00 2.8062E-01 2.555E-01 2.577E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 3.8150E-00 3.8150E-00 3.8150E-00 3.8150E-00 3.8150E-00 3.8150E-00 3.8150E-00 3.8150E-01 3	2.7193E-02 1.5134E-01 2.4367E-06 2.4367E-06 2.2528E-09 5.266E-02 2.1127E-00 2.2287E-01 2.1127E-00 2.2287E-01 2.1450E-02 2.4741E-01	1=9 2.6733E-02 1.8690E-01 2.3772E-00 2.3772E-00 2.371E-03 2.3142E-00 2.3142E-00 2.448E-01 2.548E-01	PT/PTINF 9.5280E-(
VPTINF VPINF HO IC	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 2.3261E-05 6.7801E-05 -2.5066E-14 -2.4447E-14 -2.5066E-14 -2.4447E-16 -2.4447E-16 -2.4447E-16 -2.4447E-16 -2.4447E-16 -2.4447E-16 -2.5066E-14 -2.5066E-14 -2.5066E-14 -2.5066E-14 -2.5066E-14 -2.5066E-14 -2.5066E-14 -2.5066E-14 -3.0758E-03 5.5986E-00 03.0758E-03 5.5986E-03 6.77581E-03	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-000 2.3244E-000 2.3244E-000 2.5275E-C1 2.310E-000 2.5275E-C1 2.3685E-02 2.4797E-C1 3.485E-03 3.1952E-C1 2.4923E-01 2.5090E-01 6.0000E-01 6.0000E-01 6.5090E-01	3.0536E-02 1.6954E-01 2.8025E-04 2.7361E-00 2.9206E-01 2.3200E-02 2.5287E-05 -1.0229E-01 -1.0249E-01 2.3048E-01 2.3048E-01 2.34048E-01 2.34048E-01 2.34048E-01 2.3599E-01 3.9221E-00 8.4177E-01 6.1726E-02 2.9472E-01 8.5090E-01 9.2715E-01 6.4583E-02 1.1725E-02 8.5990E-01 9.2715E-01 -2.3607E-01 -1.1553E-02 6.3875E-02 -1.0229E-01 -5.3131E-01	3.5190E-02 1.5564E-C1 3.1531E+00 2.1687E-04 3.1531E+00 2.1687E-05 -1.1232E-01 -1.5647E-05 -1.1232E-01 -1.5647E-05 -1.1232E-01 -1.0258E-02 3.2691E-01 -1.0258E-02 3.2691E-01 -1.0258E-02 -1	4.2437E-02 2.3617E-01 3.6947E-04 3.6023E-00 2.4751E-02 2.3094E-02 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 6.1425E-03 4.0100E-01 6.1425E-03 6.2743E-00 6.287E-01 1.000E-01 6.387E-01 1.000E-01 6.3837E-01 1.000E-01 6.3837E-01 1.000E-01 6.3837E-01 1.005E-02 6.3235E-00 1.1343E-02 6.3235E-00 6.3235E	3.4480E-02 1.9189E-03 1.9148E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.1373E-00 2.31466E-00 3.4041E-01 3.2023E-00 3.4041E-01 2.2023E-00 3.4041E-01 2.7394E-01 0.9394E-01 0.9394E-01 2.9394E-01 0.9394E-01	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 1.9231E+00 2.3208EE00 2.3208EE00 2.3059E-00 2.8062E-01 2.3059E-00 2.8062E-01 2.555E-01 2.555E-01 2.577E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 3.8150E-00 3	2.7193E-02 1.5134E-01 2.4365E-00 2.4365E-00 2.3258E-00 5.226EE-02 2.3127E-00 2.3267E-01 2.3127E-00 2.3267E-01 2.3127E-00 2.3267E-01 2.3127E-00 2.3267E-01 2.450E-02 2.4741E-01 3.4020E-02 1.4036E-01 4.9035E-01 4.9035E-01 4.9035E-01 4.9035E-01 4.9035E-01 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00	1=9 2.6733E-02 1.8690E-01 2.8735E-04 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.3142E-00 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.5448E-01 2.5488E-01	PT/PTINF 9.5280E-C
CCCCCCCCXYYZZSINDRMETNOR BARRENOR BARRENOR BARRENOR BARRENOR BARRENOR TA TO T	2.7523E-02 1.5317E-01 2.5260E-04 2.4661E+00 2.3261E+00 2.3261E-05 6.7801E-05 -2.5066E-14 -2.4479E-01 2.44479E-01 -2.5066E-14 -3.0758E-03 5.5986E-00 03.0758E-03 5.5986E-03 6.77581E-03	2.7977E-C2 1.5570E-C1 2.5576E-C4 2.5007E-000 2.3244E-000 2.3244E-000 2.5275E-C1 2.310E-000 2.5275E-C1 2.3685E-02 2.4797E-C1 3.485E-03 3.1952E-C1 2.4923E-01 2.5090E-01 6.0000E-01 6.0000E-01 6.5090E-01	3.0536E-02 1.6954E-01 2.8025E-04 2.7361E-00 2.9206E-01 2.3200E-02 2.5287E-05 -1.0229E-01 -1.0249E-01 2.3048E-01 2.3048E-01 2.34048E-01 2.34048E-01 2.34048E-01 2.3599E-01 3.9221E-00 8.4177E-01 6.1726E-02 2.9472E-01 8.5090E-01 9.2715E-01 6.4583E-02 1.1725E-02 8.5990E-01 9.2715E-01 -2.3607E-01 -1.1553E-02 6.3875E-02 -1.0229E-01 -5.3131E-01	3.5190E-02 1.5564E-C1 3.1531E-03 2.1687E-C4 3.1531E-03 2.1687E-C6 2.3141E-03 2.1687E-C2 3.4027E-01 2.0247E-01 2.0247E-01 2.0247E-01 2.0247E-01 2.0247E-01 2.0257E-01	4.2437E-02 2.3617E-01 3.6947E-04 3.6023E-00 2.4751E-02 2.3094E-02 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 4.1425E-03 4.0100E-01 6.1425E-03 4.0100E-01 6.1425E-03 6.2743E-00 6.287E-01 1.000E-01 6.387E-01 1.000E-01 6.3837E-01 1.000E-01 6.3837E-01 1.000E-01 6.3837E-01 1.005E-02 6.3235E-00 1.1343E-02 6.3235E-00 6.3235E	3.4480E-02 1.9189E-03 1.9148E-04 3.0994E-00 2.1373E-00 2.1373E-00 2.1373E-00 2.31466E-00 3.4041E-01 3.2023E-00 3.4041E-01 2.2023E-00 3.4041E-01 2.7394E-01	2.9741E-02 1.6551E-01 2.7295E-04 2.6648E-00 1.9231E+00 2.3208EE00 2.3208EE00 2.3059E-00 2.8062E-01 2.3059E-00 2.8062E-01 2.555E-01 2.555E-01 2.577E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 2.377E-01 3.8150E-00 3	2.7193E-02 1.5134E-01 2.4365E-00 2.4365E-00 2.3258E-00 5.226EE-02 2.3127E-00 2.3267E-01 2.3127E-00 2.3267E-01 2.3127E-00 2.3267E-01 2.3127E-00 2.3267E-01 2.450E-02 2.4741E-01 3.4020E-02 1.4036E-01 4.9035E-01 4.9035E-01 4.9035E-01 4.9035E-01 4.9035E-01 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00 2.3127E-00	1=9 2.6733E-02 1.8690E-01 2.8735E-04 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.3972E-06 2.3142E-00 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.448E-01 2.5448E-01 2.5488E-01	PT/PTINE PT/PTINE

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STMACH= 8.00C00000E+00 GAMMA= 1.4000000GE+00 T= 6.CC000CC0E-01 THETAD= 1.000000C0E+01 ALPHAD= 2.0000000E+00
                                                                                                                                                                           EPSIG= 1.00000000E-03 EPSIGMX= 1.000C000CE-03 SPACER= 1.00000000E-03 EPSIVAR= 1.0C00000QE-C8 EPSINT= 2.5000000E-02
NCYCLE= 2 VTEST= 1.00CCC000E-C3 VFAX= 5.5650L220E-04 AAST= 4.23895624E-01 PTINF= 1.08560426E-02
VTEST= 1.C0700000E-03 \TEST1= 3.00000C00E-02

M2E= 0

SLOPE= 1.G00C0000E+00 \text{kTRANSF= 1}

KCOUNT= 23 \text{VMAX= 5.565C1220E-04 EPSIG= 1.C0C0000CE-03 SPACER= 1.00000000E-C3 \text{VMXTEST= 1.136ISI36E-01}
                                                                                                               SUMMARY PRINT BLOCK
                                                                                                                             1=5 [=6 [=7 [=8 1=9 [=10
                                                                                                   [=4
                           1=1
                                                1=2
                                                                            1=3
                      -9-0000E+01 -6-10CEE+01 -3-7365+01 -1-8178E+01 -1-0489E-00 1-1807E-01 2-736E+01 4-533E+01 4-533E
PSID
PSISO
XO
YO
XOBAR
YOBAR
XS
YS
 YSBAR
ETAS
BETAD
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CPSHOCK
     I
                   TAU
                                                                                                                          YO
                                                                                                                                                          ETAS
                                                                                                                                                                                          ETASP
    1 C. 0. 0. -1.(57%)188E-01 6.26009720E-02 -7.73023930E-16 2.55646097E-02 5.5646097E-02 5.5646097E-02 5.5646097E-02 5.5646097E-02 5.56348315E-02 -1.0C331577E-01 5.97943222E-02 -8.41263462E-02 5.35480783E-02 1.11272159E-01 1.1272159E-01 1.6678259E-01 1.5678259E-01 1.56782616E-01 -5.5793823E-02 -1.71435501E-01 1.23375787E-01 1.76220980E-01 -3.223212E10E-12 4.1274750E-02 8.13865466E-02 5.35480783E-02 2.22564399E-01 1.76230980E-01 -3.22812E10E-12 4.1274750E-02 8.13865466E-02 5.35480783E-02 2.86718053E-01 1.08942518E-01 8.21876403E-02 6.95835030E-02 2.86718053E-01 3.33876598E-01 1.08942518E-01 8.21876403E-02 6.95835030E-02 2.81299202E-01 8.38857658E-01 3.6552568E-01 1.08942518E-01 1.08942518E-01 8.21876403E-02 6.95835030E-02 2.81299202E-01 4.45168757E-01 4.45168757E-01 -1.23075942E-11 1.C5766188E-01 8.56009436E-02 -1.8895481E-14
                                                                                                                                                                                                281A= 0.
                                                                                                   1=4 1=5 1=6 1=7 1=8 1=9 1=10
                     1=2
                                                                           1=3
                            1=1
 P/ROASTSC
P/PTINF
P/PINF
 UC
VC
VCC
VCC
VX
VY
VY
 PSINOR
 THEINGR
 YRHLD
ETA
 DEONS
 AM
CROSSM
 BERNOUL
 OPO Z
                                                                              WINCHARD LINE ZETA LIMIT
                             RHD S POREGAM UC VC
  U RHO S PORCGAM UC VC MC VX VV VZ PŢ/PTINF

2.3179E+CO 2.2282E+OO 4.6451E-C2 1.1491E-O2 2.3050E+CC 2.4386E-O1 4.1825E-16 0. -2.4386E-O1 2.3050E+OO 8.9036E-O1
                                                                                                                                                                                                              VY VZ
                                                                                                LEEWARD LINE ZETA LIMIT
       U RHO S PORCGAM UC VC
                                                                                                                                                             WC VX VY
                                                                                                                                                                                                                                     V7
                                                                                                                                                                                                                                                             PT/PTINE
  2.3412E+0C 1.5380E+0O 4.6763E+03 1.1215E+02 2.3282E+0C 2.4631E+0i 1.8340E+11 2.8654E+11 2.4631E+01 2.3282E+00 9.8788E+01
                                                                                                        FORCE CCEFFICIENTS
CZ= 4.33630484E-02 CY= 9.23243464E-02 CC= 4.6558TC61E-02 CL= 9.07547583E-02
YBAR= -1.58871219E-02 ZEAR= 6.66666667E-01 CF= -6.22384796E-02
```

STMACH= 6.00000000E+00 GAMMA= 1.40000000E+0C T= 6.CC0000COE-01 THETAD= 1.00000000E+01 ALPHAD= 4.000COCOOE+0C
EPSIGOP 1.00000000E-C3 AAS1- 4.23895624E-01
<u>V1EST- 1.0000000E-03 V1EST1- 3.0000000E-02</u>
MŽE- O
SLOPE- 1.00000000E+00 KTRANSF- 1
RANGLE- 6.62338287E-01
EPSIG- 1.00000000E-03 EPSIGFX- 1.00000000E-03 SPACER- 1.00000000E-03 EPSIVAR- 1.0000000CE-C8 EPSINT- 2.5000000E-02
MCYCLE= 1 AT 11/23/71 10.56.63.
ETAS 5.71057891E-02 5.50043294E-02 4.96974454E-02 4.12550504E-02 4.26159149E-02 5.93018690E-02 8.23256429E-02 9.75278923E-02 1.03927039E-01
E1ASP 1.02566007E-16 -6.83148663E-C2 -1.41825391E-01 -9.12759147E-02 1.66148739E-01 3.91619215E-01 3.66148845E-01 2.01549240E-01 -2.75899443E-14
6.230867E-02 6.2935667E-02 6.50848005E-02 6.50554219E-02 5.51913507E-02 2.92340819E-02 1.55382225E-02 8.04002435E-03 6.19048647E-03 [F3] 1.755382225E-02 8.04002435E-03 [F3] 1.755382225E-03 [F3] 1.7554225E-03 [F3] 1.755382225E-03
7.887198E-02 7.29640045E-02 7.61385638E-02 7.81817104E-02 5.89847833E-02 1.98189549E-02 9.52996627E-03 8.22316664E-03 8.50866161E-03
V 3.13590376E-03 4.26116068E-03 3.13709417E-03 2.00123827E-03 4.51393242E-04 -1.07370231E-02 -1.14404335E-02 -8.64716521E-03 -3.33121264E-03
KCOUNT= 24 VMAX= 1,14404335E-02 EPSIG= 1.00000000E-03 SPACER= 1.00000000E-03 VMXTEST= 1.11651068E-01 DETERM= 4.96810152E-02
DETA -6.65642026E-04 -7.54603087E-04 -5.65569366E-04 -3.63684535E-04 -2.02071743E-04 3.47875098E-04 6.70528349E-04 1.09556953E-03 8.38465080E-04
MCYCLE- 2 AT 11723/71 11.01.00.
ETAS  5.64601471E-02 5.42497263E-02 4.91318761E-02 4.09919658E-02 4.24138432E-02 5.96497441E-02 8.25561713E-02 9.86234618E-02  1.04765505E-01  FTASP  FTASP
4.19457901E-16 -6.77022706E-02 -1.37829037E-01 -8.85720672E-C2 1.72815243E-01 3.99888557E-C1 3.73548308E-01 2.02441533E-01 -2.14169116E-14
[p(1) AT SHOCK 6.18116966E-02 6.23692064E-02 6.46460458E-02 6.4783856TE-02 5.5192719TE-02 2.963749TTE-C2 1.55980359E-02 8.55583128E-03 6.57651052E-03
[Cf[] AT ZETA-0 7-1334953ZE-02 7-2314194]E-C2 7.56217879E-02 7.79172893E-02 5.92372194E-02 2.11254900E-02 1.05087409E-02 8.80368423E-03 8.9956055IE-03
V 2.00708611E-05 1.03949796E-05 1.64161191E-07 7.28417927E-07 -4.44601693E-05 -5.55113121E-04 -2.81041930E-04 -1.03900309E-05 3.22546646E-04

N= 9 M=2	NREAC=1 NSP	ACE=1 NP= !	5 NCNVRG=3						
							100000E+01 A		000000E+00
RANGLE = 6	.62338287E-01						-		
FPSIG= 1.	0000000F-03	EPSIGMX= 1	1.00000000F-0	3 SPACER=			. 1.00000000		- 2.50000000E-02
	C00C0000E-03							······	
M2E= 0				•					
SLOPE= 1. KCGUNT=	00000000E+00 34 VMAX= 5.	KTRANSF= 1 55113121E-0	4 EPSIG= 1.	0000000000000	SPACER= 1	-0000000E-	3 VMXTEST=	1.116838286	<u>:-01</u>
						-	**		
				SUFFA	SRY PRINT ELE	CK	·		
	1=1	I=2	I=3	I =4	1=5	1=6	1=7	. i=8	1=9 1=10
PSIO PSISO	-9.0000E+01	-6.1006E+C1	-3.7365E+01	-1.8178E+01	-1.0489E-09	1.8178E+01		6.1006E+01	9.0000E+01
XO XO	-3.0580E-01	-1.0035E-01	-8.3188E-02	-5.0790E-02	-3.2281E-12	1.5468E-01 5.0790E-02	1.00245-01	1.5635E-02 1.6039E-01	-1.2308E-11 1.0580E-01 -6.9800E-11
XOBAR YOBAR	0. -6.0000E-01	3.1552E-C1 -5.6935E-01	6.1784E-01 -4.7178E-01	8.7723E-01 -2.88C5E-C1	1.0000E+00 -1.8308E-11	8.7723E-01 2.8805E-01	6.1784E-01 4.7178E-01	1.1552E-01 5.6935E-01	-6.9800E-11 6.0000E-01
XS YS XSBAR	C. -1.6327E-01	-1.5460E-01	1.3074E-01 -1.2852E-01 7.4144E-01	1.8618E-01 -7.8972E-C2	2.2042E-G1 -5.4270E-12	2.0068E-01 9.1940E-02 1.1381E+00	1.6020E-01	1.9964E-01	6.0000E-01 -1.6899E-11 -2.1332E-01 -9.5841E-11 1.2098E+00 1.0647E-01 8.0418E+00
YSBAR ETAS	-9.2596E-01	-6.7676E-C1	-7.2888E-01	-4.4787E-01 4.0952E-02	-3.C778E-11 4.2414E-02	5.2142E-01 5.9650E-02	9.0856E-01	1.1322E+00 5.8623E-02	1.2098E+00 1.0477E-01
BETAD XI	1.3273E+01 0.	1.3316E+01 5.5646E-02	1.3489E+01 1.1129E-01	1.3500E+01 1.6694E-01	1.2754E+01 2.2258E-01	1.0532E+01 2.7823E-01	3.3388E-01	8.2839E+00 3.8952E-01	8.0418E+00 4.4517E-01 6.5765E-03
CPSHOCK	6.1812E-02 7.1335E-02		6.4646E-02 7.5622E-02	6.47E4E-C2 7.7917E-02	5.5193E-02 5.9337E-02	2.9637E-02 2.1125E-02	1.5998E-02 1.0509E-02	8.8037E-03	8.9956E-03
ı t	AU	×I	×c		10	ETAS	ETASP		
1 0.	0. 60957E-02 5.	5646C957E-0	0. 2 5.56348315	-1.0579 E-02 -1.0039	6188E-01 5.	64401471E-0 42497263E-0	2 4.19457901 2 -6.77022706	E-16	
3 1.112 4 1.669	92199E-01 1. 38259E-01 1.	11292199E-0: 66938299E-0:	1 1.08942518 1 1.54678616		764C3E-02 4.	91318761E-0 09919658E-0	2 -1.37829037 2 -8.85720672	E-01 E-C2	
6 2.782	304585-01 2.	22584359E-0: 76230458E-0: 33676558E-C	1 1.54678616	E-G1 -3.2281 E-G1 5.0790	**************************************	OFFERTANTE-U	2 1.72815243 2 3.9988957	E-01	
8 3.855	22658F-01 3-	89522658E-0		F-C2 1.CC39	91577E-01 9. 96188E-01 1.	86234618E-0 04765509E-0	2 2.02441533 1 -2.14169116	E-01 E-14	
				ZETA= 1.CO	000000E+00				
_	1=1	1=2	1=3	1=4	1 = 5	1=6	[=7		
P/ROASTSC P/PTINF	2.3411E-01 3.8607E-04	4.2345F-02 2.3566E-01 3.8863E-64	2.4200E-01 3.9908E-04	2.4238E-01 3.9971E-04	2.1569E-C1 3.5570E-04	1.4458E-C1 2.3843E-04	1.0663E-01 1.7584E-04		1.4449E-02 8.0412E-02 1.3261E-04
P/PINF RHD	3.7692E+00 2.4173E+00	3.7941E+00 2.4264E+00	3.8961E+00 2.4633E+00	3.9023E+00 2.4655E+00	3.4726E+00 2.3051E+00	2.3278E+00 1.7972E+00	1.7167E+00	1.25566+00	1.2019E+00
U V W	2.2961E+00 -2.2406E-01	2.2956E+00 -2.2257E-C1	2.2939E+00 -2.2045E-01	2.2939E+00 -2.2318E-C1	2.2982E+00 -2.1324E-01	2.3128E+00 -1.8925E-01	-2.1554E-01		2.3359E+00 -2.7457E-01 0.
uc vc	2.30226+00	2.30C9E+00 1.5323E-01	2.296IE+00	2.29086+00	2.29026+00	2.3122E+C0 2.9178E-01	2.12626+00	1.0367E-01 2.3387E+00 2.2914E-01	2.3418E+00 2.1879E-01
WC . VCC	2.5530E-16 1.4885E-01	4.9539E-02 1.6019E-01	1.0480E-01 1.9682E-01	1.4151E-01 2.4487E-01	1.3415E-01 2.8643E-C1	7.5004E-02 2.5501E-01	4.0770E-02 2.3766E-01	2.2168E-02 2.2233E-01	1.8423E-11 2.1879E-C1
WCC VX VY	0. 0.	1.6479E-02 7.8560E-02	3.9104E-02 1.6777E-01 -1.1009E-01	6.3859E-C2 2.5037E-01	1.3415E-01 2.8643E-01 1.3415E-01	1.6040E-01 1.6503E-01 2.5204E-01	7.45C3E-02	2.3052E-02	
VZ PS I NOR	2.3C22E+00	2.3009E+00 1.9555E+00	2.2961E+00 4.1751E+00	2.29C8E+00	2.2902E+00 7.1290E+00	2.3122E+00 4.0825E+00	2.32826+00		-2.7585E-11 2.1879E-01 2.3418E+00 -6.7492E-10
THE TNCR XBAR	0.	8.65G6E+01 3.78C6E-C1		0.9084E+01 1.0559E+00	8.6673E+01 1.2500E+00	8.3795E+01 1.1381E+00	8.3786E+01 8.2782E-01 6.2782E-01	8.4407E+01 4.3003E-01	8.4662E+01 -9.5841E-11 -9.5841E-11
XBHLD YBAR YBHLD	0. -9.2596E-01 -9.2596E-01	-8.7676E-01	-7.2888F-01	-4.4787F-01	1.2500E+00 -3.C778E-11 -3.C778E-11	1.1381E+00 5.2142E-01 5.2142E-01	9.0856E-01 9.0856E-01	1.1322E+00 1.1322E+00	1.2098E+00 1.2098E+00
ETA G			-7.2888E-C1 4.9132E-02 -2.8198E-01			5.9650E-02	8.2996E-02	9.8623E-02	1.0477E-01
DEONS AM CPOSSM	4.9659E+00 6.2652E+00	5.0963E+00 6.2552E+C0	5.6493E+00 6.2148E+00 6.0369E-01	6.8567E+00 6.2124E+00	5.5408E+C0 6.3877E+00	7.0820E+00 6.9479E+00	4.3418E+00 7.3388E+00	7.6045E+00	1.9795E+00 7.685IE+00
SBAR POROGAM	9.1142E-02	5.246EE-02	9.7902E-02	9.82336-02	7.5712E-02	2.4193E-02	6.3970E-03	1.3909E-03	7. C1 68E-C4
PI/PTINF PI	8.6759E+01	8.6472E+C1	8.53C5E+01	8.5234E+G1	5.C171E+01	1.0257E+02	1.0723E+02	1.08566+02	1.1169E-02 9.9825E-01 1.0877E-02
BERNOUL DPD Z DUD Z	-1.0060E-02	-1.0572E-02	4.2633E-14 -1.0777E-C2 -1.0799E-02	-1.2575E-C2	-7.0015E-03	-3.6484E-04	1.1217E-03	-3.3834E-03	-7.7853E-03
DAO S DAO S	-2.3296E-01 -1.1611E-15	-2.3265E-C1 -8.4387E-03	-2.2010E-01 -1.6420E-02	-2.2076E-01 -2.1330E-02	-1.5157E-01 5.7116E-03	-1.8460E-01 -9.8767E-03	-2.1028E-01 -4.1070E-02	-2.9899E-01 -2.5585E-02	-3.7600r-01 -2.3693E-12
DS BOZ PP	4.3386E-32 -2.3912E-15	-4.4261E-04	-6.2825E-04	2.1657E-04	-1.1270E-02	-2.4109E-02	-6.6105E-03	-9.3546E-04	-3.6046E-27
UP VP WP	1.0504E-14 -6.1165F-01	4.4228E-02 -4.6794F-01	-2.3417E-02 -2.35E1E-02 4.3350E-02	2-4761E-02 3-6424E-02 1-6884E-00	1.78/7E-01 2.9918E-01 2.5160E+00	2.7045E-01 2.3757E-02 4.6362E-01	-7.2454E-01 -7.2454E-01 -1.2917F+00	-6.0518E-01	-4.9616E-13 7.1226E-14 -1.9237E+00
SBARP	-1.8322E-15	7.2349E-02	9.2203E-02	-1.6361E-01	-7.5000E-01	-6.8540E-01	-1.6005E-01	-3.40 E6E-02	5.0307E-16

				ZETA= 9.000	0C0C0E-01					
	1=1	1=2	1=3	I=4	1=5	1=6	1=7	1=8	T=9	
P P/RDASTSC	4.2598E-02 2.3930E-01	2.4111E-01	4.4493E-02 2.4761E-01	2.4855E-01	3.94C8E-C2 2.1932E-C1	1.4454E-01	1.0556E-01	8.7333E-02	8.3234E-02	
P/PTINF P/PINF	3.9462E-04 3.8527E+00	3.5762E-04 .3.8819E+00	4.0834E-04 3.9866E+00	4.1054E-C4	2.6168E-C4 3.5310E+00	2.3837E-04 2.3272E+00		1.4402E-04 1.4061E+00	1.3726E-04 1.3401E+00	
RHO .	2.4554E+00 2.2973F+00	2.4663E+00 2.2967E+00	2.5039E+00 2.2950E+00	2.5130E+00 2.2948E+00	2.3308E+CO 2.2990E+00	1.79358+00	1.4570E+00	1.2742F+00	1 - 23105400	•
v -		-1.9563E-01 -2.9604E-02	-1.9868E-01 -3.7563E-02	-2.0140E-01	-1.5414E-01 1.3370E-01	-1.7087E-01	-1.9444E-01	-2.2870E-01 1.0615E-01	2.3386E+C0 -2.4115E-01 0.	
üc vc	2.3CC6E+00 1.5873E-01	2.2992E+C0 1.6357E-01	2.2942E+00 1.8146E-01		2.2882E+00 2.9558E-01	2.3113E+00	2.3281E+00	2.3376E+00 2.3473E-01	2.3399E+00 2.2754E-01	
WC	2.7225E-16	5.0331E-02	1.0631E-01	1.4365E-Cl	1.3370E-01	7.6223E-02	4.4913E-02	2.4665E-02	1.8416E-11	
ACC ACC	1.5873E-01 0.	1.7057E-01 1.3901E-02	2.0739E-01 3.4952E-G2	2.5746E-01 6.C063E-02	2.9558E-G1 1.3370E-01	1.6515E-01	1.2306E-01	6-49P2E-02	2.2754E-01 9.4696E-12	• • • • •
VX VY	0. -1.5873E-01	8.1359E-02 -1.5056E-01	1.7354E-01 -1.1880E-01	-4.3436E-C2	2.9558E-01 1.3370E-01	2.5598E-01	2.5701E-01	2.3502E-01	-2.7944E-11 2.2754E-01	
VZ PS I NOR	2.3006E+00	2.2992E+00 2.0266E+C0	2.2942E+00 4.3258E+00	2.2864E+CO 6.5014E+OO	2.2882E+C0 7.3604E+00	4-1457E+00	1.7555E+0C	2.3376E+00 5.3274E-01	2.3399E+00 -6.8425E-10	
THETNOR	8.6053E+01 0.	8.6256E+01 3.7176E-C1	8.7044E+01 7.29C0E-01	8.8920E+G1 1.0379E+00	0.6683E+01 1.2248E+00	8.3697E+01 1.1118E+00	8.3703E+01	8.4259E+01	8.4446E+01 -9.3194E-11	
XBHLD YBAR	9.	3.59C7E-01	7.2477E-01	1.0559E+CO	1.2222E+00 -2.9521E-11	1.0715E+00	7.5364E-01	3.6100E-01 1.0751E+00	-9.3194E-11 1.1478E+00	
YBHLD ETA	-8.9313E-01 5.0796E-02	-E.4742E-01	-7.0469E-01 4.4219E-02	-4.4787E-01	1.1703E-02 3.8172E-C2	5.4621E-01	8.9304E-01	1.0851E+00 8.8761E-02	1.1478E+00	
G DEONS	-2.3557E-01		-2.4890E-01	-2.7226E-C1	-3.3150E-01 5.7474E+00	-3.4007E-01	-3.3379E-01	-3.2343E-01	-3.1733E-01	
AM	5.3740E+00 6.2431E+00	5.5014E+00 6.232GE+00	6.0059E+00 6.1917E+00	6.1857E+CO	6.3675E+00	6.9411E+00	7.3439E+0G	7.5849E+00	7.6441E+00	
CRDSSM SBAR	5.4440E-01 9.1142E-02	5.4551E-C1 5.2512E-02	5.4341E-01 9.7567E-02	5.4121E-01 9.8213E-02	6.4946E-01 7.6890E-02	8.5173E-01 2.6781E-02	7.1658E-03	6.1397E-01 1.50C5E-03	7.8408E-01 7.0168E-04	
POROGAM PT/PTINF	1.2 <i>226E-02</i> 7.9624E-01	1.2242E-02 7.9352E-01	1.2309E-02 7.8277E-01	1.2312E-62 7.8229E-01	1.2053E-02 e.2512E-01	1.1464E-02 9.3524E-01	1.1241E-02 5.8224E-01	1.1177E-02 5.9626E-01	1.1169E-02 9.9825E-01	
PT BERNOUL	8.6759E+C1	E.6462E+C1	8.5291E+01 -3.7619E-C6	8.5238E+01 3.3360E-06	8.9906E+01	1.0190E+02	1.0702E+02 -1.4224E-05	1.0855E+02	1.0877E+02 5.4311E-09	
DPD Z	-8.6336E-03	-9.0854E-C3	-9.4596E-03	-1.1081E-C2 -8.2763E-C3	-6.0491E-03	4.8239E-04	1.30326-03	-1.8746E-03	-3.4469E-03	
DVDZ	-2.2697E-01	-2.2652E-01	-2.1569E-01	-2.1552E-01	-1.9090E-01	-1.8325E-01	-2.1144E-01	-2.7814E-01	-3.0957E-01	
DWD Z DSBD Z	8.3431E-33	-7.7970E-03 -4.944CE-04	-6.6464E-04	-2.2214E-C2 1.8218E-C4	3.3294E-C3 -1.2313E-02	-1.4225E-02 -2.7790E-02	-4.1900E-02 -8.9753E-03	-2.4415E-02 -1.2828E-03	-2.5935E-12 -3.8810E-27	
PP UP	-4.9079E-16 -5.5673E-15		2.2236E-02 -2.6183E-02	2.29E1E-C2	1.8060E-01	2.7780F-01	-8.6542E-02 2.0514E-01	1-01116-01	-3-3711F-13	
VP WP	5.8495E-15 -5.9684E-01	3.1520E-G2 -3.9392E-G1	-3.1546E-02 6.0360E-02	1.1354E-02 1.6639E+00	3.5936E-01 2.5006E+00	3.7209E-02 5.1818E-01	-6.2247E-01 -1.2771E+00	-4.7253E-01 -1.7881E+00	4.5860E-14 -1.9707E+00	
SBARP	-1.2741E-15	7.3222E-02	8.9639E-02	-1.54C8E-01	-7.1981E-C1	-6.9044E-01	-1.0878E-01	-3.9631E-02	4.6818E-16	
				ZETA= 8.000						
	I=1	I=2	[=3	1=4	I =5	1=6	1=7	I=8	I=9	I=10
P/ROASTSQ	4.3802E-02 2.4377E-01	4.4171E-02 2.4582E-01	4.53E3E-02 2.5257E-01	1=4 4.5778E-C2 2.5476E-C1	I=5 2.5970E-02 2.2244E-01	2.5885E-02 1.4405E-01	1.8896E-02 1.0516E-01	1.5836E-02 8.8133E-02	1.5224E-02 8.4723E-02	T=10
P/PTINF P/PINF	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00	4.4171E-02 2.4582E-01 4.6539E-04 3.9577E+00	4.5363E-02 2.5257E-01 4.1651E-04 4.0663E+00	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E+00	I=5 2.5970E-02 2.2244E-01 3.6683E-04 3.5813E+00	2-5885E-02 1-4405E-01 2-3756E-04 2-3193E+00	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E+00	1.5836E-02 8.8133E-02 1.4534E-04 1.4189E+00	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00	T=10
P/PTINF	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4881E+00	4.4171E-02 2.4582E-01 4.6539E-04	4.5383E-02 2.5257E-01 4.1651E-04 4.0663E+00 2.5354E+00	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E+00 2.5549E+00	1=5 2.5970E-02 2.2244E-01 3.6683E-04 3.5813E+00 2.3523E+00	2.5885E-02 1.4405E-01 2.3756E-04	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E+00 1.4481E+00	1.5836E-02 8.8133E-02 1.4534E-04 1.4189E+00 1.2824E+00	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2476E+00	1+10
P/PIINF P/PINF RHO U V	4.3602E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4881E+00 2.2983E+00 -1.7859E-03	4.4171E-02 2.4582E-C1 4.6539E-04 3.9577E+00 2.5005E+03 2.2977E+00 -1.7718E-01	4.5363E-02 2.5257E-01 4.1651E-04 4.0663E+00 2.5354E+00 2.2959E+00 -1.7723E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E+00 2.5549E+00 2.2955E+00 -1.7959E-01	I=5  3.5970E-02 2.2244E-01 3.6683E-04 3.5813E+00 2.3523E+00 2.2598E+00 -1.7500E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E+00 1.7854E+00 2.3149E+00 -1.5256E-01	1.8896E-02 1.0516E-01 1.734ZE-04 1.6931E+00 1.4461E+00 2.3289E+00 -1.7327E-01	1.5836E-02 8.8133E-02 1.4534E-04 1.4189E+00 1.2824E+00 2.3381E+00 -2.0147E-01	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2476E+00 2.3409E+00 -2.1134E-01	T=10
P/PTINF P/PINF RHO U V W UC	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E+00 -1.7859E-03 0.22991E+00	4.4171E-02 2.4582E-01 4.6539E-04 3.9577E+00 2.5005E+03 2.2977E+00 -1.7718E-01 -2.8E53E-02 2.2576E+00	4.5383E-02 2.5257E-01 4.1651E-04 4.0663E+00 2.5354E+00 2.2959E+00 -1.7723E-01 -3.62C4E-02 2.2925E+00	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E+00 2.5549E+00 2.2955E+00 -1.7959E-01 -5.5726E-C3 2.2861E+00	I=5 2.5970E-02 2.2244E-01 3.6683E-04 3.5813E+00 2.3523E+00 2.2558E+00 -1.7500E-01 1.3349E-01 2.2862E+00	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E+00 1.7854E+00 2.3149E+00 -1.5256E-01 2.3110E-01 2.3106E+00	1.8896E-02 1.0516E-01 1.7342E-04 1.6931E-00 1.4461E-00 2.3289E-00 -1.7327E-01 2.3279E-00	1.5836E-02 8.8133E-02 1.4534E-04 1.4189E+00 1.2824E+00 2.3381E+00 -2.0147E-01 1.0859E-01 2.3369E+00	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2476E-00 2.3409E+00 -2.1134E-01 0.	1-10
P/PTINE P/PINE RHO U V W UC VC WC	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4881E+00 2.2983E+00 -1.7859E-03 0. 2.2991E+00 1.6815E-01 2.88840E-16	4.4171E-02 2.4582E-G1 4.6539E-04 3.9577E+00 2.5005E+02 2.2977E+00 -1.7718E-01 -2.8E53E-C2 2.2576E+00 1.7343E-01 5.1066E-02	4.5383E-02 2.5257E-01 4.1651E-04 4.0663E+00 2.5334E+00 2.2959E+00 -1.7723E-01 -3.62C4E-02 2.2925E+00 1.9148E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E+00 2.55549E+00 2.2955E+00 -1.7959E-01 2.3861E+00 2.3373E-C1 1.4550E-01	I=5 2.5970E-02 2.2244E-01 3.6683E-04 3.5813E+00 2.3523E+00 2.2958E+00 -1.7500E-01 1.3349E-01 2.2862E+00 3.4475E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E+00 1.7854E+00 2.3149E+00 2.3110E-01 2.3110E-01 2.3106E+00 3.0072E-01 7.7874E-02	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E+00 1.4461E+00 2.3289E+00 -1.7327E-01 1.9547E-01 2.3279E+00 2.6461E-01 4.5175E-02	1.5836E-02 8.8133E-02 1.4534E-04 1.4169E+00 1.2824E00 2.3381E+00 -2.0147E-01 1.0859E-01 2.3369E+00 2.3855E-02 2.7115E-02	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2476E+00 2.3409E+00 -2.1134E-01 0. 2.3389E+00 2.3273E-01 1.8412E-11	. 1÷70
P/PTINF P/PINF RHO U V W UC VC WC VC WC	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4881E+00 2.2983E+00 0.7859E-01 0. 2.2991E+00 1.6815E-01 2.8840E-16 1.66815E-01 0.	4.4171E-02 2.4582E-C1 4.6539E-04 3.9577E+00 2.5005E+03 2.2977E+00 -1.7718E-01 -2.8653E-C2 2.2576E+00 1.7343E-C1 5.1066E-02 1.8144E-02	4.5383E-02 2.5257E-01 4.1651E-04 4.0643E+00 2.5354E+00 2.2959E+00 1.7723E-01 -3.62C4E-02 2.2925E+00 1.9148E-01 1.0764E-01 2.1754E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E+00 2.55549E+00 -1.7969E-01 -5.5726E-03 2.2861E+00 2.3373E-C1 1.4550E-01 2.66250E-02	1-5 2.5970E-02 2.2244E-01 3.6683E-04 2.52326-00 2.35236-00 2.2586E-00 1.7500E-01 1.3349E-01 2.6475E-01 3.6475E-01 3.6475E-01 3.6475E-01 3.6475E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E+00 1.7854E+00 2.3149E+00 2.310E-01 2.3106E+00 3.0072E-01 7.7874E-02 2.5968E-01 1.7047E-01	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E+00 1.4461E+00 2.3289E+00 1.7327E-01 2.3279E+00 2.6461E-01 4.9175E-02 2.3549E-01 1.3072E-01	1.5836E-02 8.8133E-02 1.4534E-04 1.4189E+00 1.2824E+00 2.3381E+00 2.0147E-01 1.0859E-01 2.3865E-01 2.7115E-02 2.2991E-01	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2476E+00 2.3409E+00 -2.1134E-01 0.3273E-01 1.8412E-11 2.3273E-01 8.7527E-12	1-10
P/PINF P/PINF RHO V V W UC VC WC VCC WCC VXX VY	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4981E+00 2.2983E+00 0. 2.2981E+00 0. 2.8840E-16 1.6815E-01 0. 0.	4.4171E-02 2.4582E-C1 4.633E-04 3.9577E+00 2.5005E+00 2.2977E+00 -1.7718E-01 2.8653E-C2 2.2676E+00 1.7343E-C1 5.1066E-02 1.8144E-02 8.4610E-02 -1.6609E-01	4.5363E-02 2.5257E-01 4.1061E-04 4.0663E+00 2.5354E+00 2.5354E+00 2.5259E+00 1.7723E-01 -3.626E-02 2.2925E-00 1.0764E-01 2.1754E-01 3.0436E-02 1.7902E-01 1.2720E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E+00 2.5549E+00 -1.7969E-01 5.5726E-03 2.2861E+00 2.3973E-C1 1.4550E-01 2.6912E-C1 5.6220E-02 2.7100E-C1 4.9714E-02	I=5 2.5970E-02 2.2244E-01 3.6683E-04 3.5813E+00 2.3523E+00 2.3523E+00 -1.7500E-01 1.3349E-01 2.662E+00 3.6475E-01 1.3349E-01 3.6475E-01 3.6475E-01 3.6475E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 2.3149E+00 2.3110E-01 2.3106E-00 3.0072E-01 7.7874E-02 2.5988E-01 1.7047E-01 1.6970E-01 2.6019E-01	1.8896E-02 1.0516E-01 1.7342E-04 1.6971E+00 2.3229E+00 -1.7327FE-01 2.3297E+00 2.6461E-01 4.5175E-02 2.3549E-01 6.6444E-02 2.6649E-01	1.5836E-Q2 8.8133E-Q2 1.4534E-Q4 1.419E+Q0 1.2824E+Q0 2.332E+Q0 -2.0147E-Q1 1.0859E-Q1 2.3365E-Q1 2.7115E-Q2 2.2951E-Q1 7.0182E-Q2 2.0136E-Q2	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E-00 1.2476E-00 2.3409E-00 0.2.1134E-01 0.2.323E-01 1.8472E-11 2.3273E-01 8.7527E-12 -2.8138E-11 2.3273E-01	1-10
P/PINF P/PINF RHO U V W UC VC WC VCC MCC VXC VY VY VY	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4983E+00 0.22983E+00 0.22991E+00 1.6815E-01 2.8840E-16 1.6815E-01 0. 0.	4.4171E-02 2.4592E-C1 4.6535E-04 4.6535E-04 2.5905E+03 2.29771E+00 -1.7718E-01 2.8653E-C2 2.2576E+00 1.7343E-C1 5.1066E-02 1.8145E-01 8.4410E-02 8.4410E-02 2.6706E-01 2.2976E+00	4.5363E-02 2.525TE-01 4.10613E-04 4.10613E-00 2.5354E-00 2.2559E-00 -1.7723E-01 3.6264E-02 2.2925E-00 1.9148E-01 1.0764E-01 2.1754E-01 1.7962E-01 1.2720E-01 2.2925E-00 4.4651E-00	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.25549E-00 2.35549E-00 2.3726E-03 2.3801E-00 2.373E-C1 2.4501E-02 2.4710E-C2 2.7100E-C1 2.4591E-C2 2.7400E-C2 2.7400E-C2 2.7400E-C3 2.7400	I=5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E+00 2.3523E+00 2.2558E+00 -1.750E-01 1.3349E-01 2.682E+00 1.3349E-01 3.0475E-01 1.3349E-01 3.0475E-01 3.0475E-01 3.0475E-01 3.0475E-01	2.5865E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 -1.5256E-01 2.3110E-00 2.3106E-00 7.7874E-02 2.5968E-01 1.7047E-01 1.6970E-01 2.3110E+00 2.6019E-01 2.3110E+00	1.8896E-02 1.0516E-01 1.7342E-04 1.6931E-00 1.4461E-00 2.3209E-00 -1.7327E-01 2.3279E-00 2.6461E-01 4.5175E-02 2.359E-01 6.844E-02 2.6409E-01 2.6409E-01 2.6409E-01 2.6409E-01	1.5836E-02 8.8133E-02 1.4534E-04 1.4199E-00 1.2824E+00 -2.0321E+00 -2.0147E-01 1.0859E-01 2.3365E-01 2.7115E-02 2.2951E-01 1.012E-02 2.0136E-02 2.3365E+01 2.3365E+01 2.3365E+01 2.3365E+01	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2476E+00 -2.1134E-01 0. 2.3273E-01 1.8412E-11 2.3273E-01 2.3273E-02 2.3273E-02 2.3273E-02 2.3273E-02 2.3273E-02 2.3273E-02 2.3273E-02 2.3273E-02 2.3273E-03	T.±1,0
P/PINF P/PINF RHO U V W UC VC VC VC VCC VCC VX VY VI PSINOR THETNCR	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4881E+00 2.2983E+00 -1.7859E-01 0. 2.2991E+00 1.6815E-01 0. 0. -1.6815E-01 2.2991E+00 0. 8.5817E+01	4.4171E-02 2.4582E-C1 4.6535E-04 4.6535E-04 2.5005E+03 2.2977E+00 -1.7718E-01 -2.853E-C2 2.2576E+00 1.7343E-C1 5.1066E-01 1.114E-02 8.4610E-02 -1.609E-01 2.2976E+00	4.5363E-02 2.5257E-01 4.10613E-04 4.0063E-00 2.5354E-00 2.2559E-00 -1.7723E-01 3.624E-02 2.2925E-00 1.9148E-01 1.074E-01 3.0436E-02 1.7942E-01 1.7922E-01 4.4611E-00 4.6811E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.5549E-00 2.2955E-00 -1.795E-01 -5.5726E-C3 2.2861E-00 2.3373E-C1 1.4550E-01 2.45912E-C1 5.6220E-C2 2.7100E-C1 -4.9714E-C2 2.2861E-00 6.7666E-00 6.7666E-00 6.7666E-00	I=5 2.5970E-02 2.224E-01 3.6683E-04 2.5283E-00 2.2528E-00 2.2528E-00 2.2588E-00 2.2588E-00 2.3523E-00 2.3523E-00 2.3548E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 2.3199E+00 -1.5256E-01 2.3110E+00 3.0072E-01 7.7874E-02 2.5986E-01 1.6970E-01 2.6019E-01 4.2005E+00 4.2005E+00 4.2005E+00	1.8896E-02 1.0516E-01 1.7342E-04 1.6931E-00 2.4941E-00 2.3289E-00 -1.7327E-01 2.3279E-00 2.6461E-01 4.5175E-02 2.6461E-01 6.8444E-02 2.6049E-01 1.3072E-01 1.3072E-01 0.8464E-02 2.6049E-01 0.8361E-01	1.5836E-02 8.8139E-02 1.4534E-04 1.4199E-00 1.2824E-00 1.2824E-00 2.3381E-00 -2.0147E-01 1.0859E-01 2.3369E-00 2.3865E-01 2.7119E-02 2.2991E-01 1.0182E-02 2.2991E-01 1.0182E-02 2.3365E-00 2.3365E-00 2.3365E-00	1.5224E-02 8.4728E-02 1.3972E-04 1.3040E+00 1.2476E-00 0.2.3409E+00 2.13409E+00 0.2.3273E-01 1.8472E-11 2.3273E-01 2.3273E-01 2.3273E-01 2.3273E-01 2.3273E-01 2.3273E-01	Telo
P/PIINE P/PINE RHO U V WC VC VC VC VC VC VX VY PSINDR THETNCR XBHLD	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4881E+00 2.2983E+00 -1.7859E-01 0. 2.2991E+00 1.6815E-01 0. 0. -1.6815E-01 0. -1.6815E-01 0. 0. 8.5817E+01 0.	4.4171E-02 2.4592E-04 3.9577E-00 3.9577E-00 2.5005E-03 2.2977E-00 -1.77183E-02 2.2878E-03 1.7343E-01 1.7343E-01 1.144E-02 2.1609E-01 2.2976E-00 2.094CE+00 2.6547E-01 3.6547E-01 3.3996E-01	4.5363E-02 2.5257E-01 4.1061E-04 4.0063E-00 2.5334E-00 2.5334E-00 2.7723E-01 3.624E-02 2.2925E-00 1.9148E-01 1.0764E-01 1.7962E-01 1.7962E-01 1.2725E-00 4.461E-00 7.1657E-01 7.1657E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.5549E-00 2.2955E-00 1.7950E-01 2.2861E-00 2.3373E-C1 1.4550E-01 2.45912E-C1 5.6220E-02 2.7100E-C1 -4.9714E-02 2.2861E-00 6.7666E-00 1.0250E-01 1.0250E-01	1-5 2.5970E-02 2.224E-01 3.6683E-04 2.5813E-00 2.2588E-00 2.2588E-00 2.2588E-00 2.2588E-00 2.3523E-00 2.3523E-00 2.3548E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 -1.5256E-01 2.3110E-02 2.3110E-02 2.3106E-00 1.0772E-01 7.7874E-02 2.5968E-01 1.6970E-01 2.5019E-01 2.3106E+00 4.2005E+00 4.2005E+00 1.0977E+01	1.8896E-02 1.0516E-01 1.7342E-04 1.6931E-00 2.3289E-00 -1.7327E-01 2.3279E-00 2.361E-01 4.5175E-02 2.6601E-01 4.5175E-02 2.6604E-01 1.3072E-01 1.3072E-01 1.3072E-01 1.384E-00 2.6649E-01 1.6841E-00 0.3618E-01 7.8534E-01 7.8534E-01	1.5836E-02 8.813E-02 1.4534E-04 1.4189E-00 1.2624E-00 2.3361E-00 -2.0147E-01 1.0859E-01 2.3365E-00 2.7115E-02 2.2951E-01 7.0162E-02 2.3955E-01 2.3365E-00 4.3365E-00 4.3365E-00 4.3365E-00 4.346E-01 4.0682E-01 2.9423E-01	1.5224E-02 8.4723E-02 1.3972E-04 1.3964E-00 1.2474E-00 2.3409E-00 -2.1134E-01 0.328-01 2.3273E-01 1.8412E-11 2.3273E-01 2.3273E-01 2.3273E-01 2.3273E-01 2.3398E-00 -6.8978E-11 -9.0558E-11	. 1 <u>+10</u> .
P/PTINF RHO U V W UC VC VC VC VC VC VX VY VI PSINOR THETNOR XBHLD YBAR YBHLD	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E+00 2.4881E+00 2.2983E+00 -1.7859E-01 0.2291E+00 0.6815E-01 0.6815E-01 0.22991E+00 0.85817E+01 0.85817E+01 0.85817E+01 0.86036E-01 -8.6036E-01	4.4171E-02 2.4592E-04 3.9577E-00 2.5005E-02 2.5005E-02 2.2971E-00 -1.7718E-01 -2.8653E-C2 2.2576E-00 1.7343E-C1 5.1006E-02 1.1144E-C2 8.4010E-02 -1.609E-01 2.2976E-00 2.094CE+00 8.6017E+00 3.6547E-01 -8.1490E-C1 -8.1490E-C1	4.5363E-02 2.5257E-01 4.10613E-04 4.0063E-00 2.5334E-00 2.5334E-00 2.7725E-01 3.624E-02 2.2925E-00 1.9748E-01 1.0764E-01 2.1754E-01 3.0436E-02 1.7962E-01 -1.2730E-01 7.1657E-01 7.1657E-01 7.0862E-01 -6.7715E-01 -6.8051E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.25549E-00 2.2559E-03 2.2861E-00 2.3373E-C1 1.4550E-01 2.45912E-C1 5.6220E-C2 2.7100E-C1 -4.9714E-C2 2.2861E-00 6.7666E-00 1.C2509E-00 4.1513E-C1 1.C5599E-00 4.1513E-C1 4.4787E-C1	I=5  2.5970E-02 2.224E-01 3.6683E-04 2.5283E-00 2.2588E-00 2.2588E-00 2.2588E-01 2.349E-01 2.349E-01 2.349E-01 1.3349E-01 2.2662E+00 7.5927E+00 1.1939E+00 1.1939E+00 2.86267E-11 2.4189E-02	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 2.3149E+00 -1.5256E-01 2.3110E-01 2.3110E-01 2.3106E-00 1.0772E-01 1.7047E-01 2.5968E-01 1.6970E-01 2.3106E+00 4.2005E+00 4.2005E+00 4.7045E-01 1.0977E+01 4.743E-01	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E-00 2.3289E-00 -1.7327E-01 2.3279E-01 2.3279E-01 2.3549E-01 1.3072E-01 1.3072E-01 1.3072E-01 1.3072E-01 2.3549E-01 2.3579E-01 1.6844E-02 2.6049E-01 1.6841E-00 8.3618E-01 7.8534E-01 8.207E-01 8.2020E-01 8.7525E-01	1.5836E-02 8.813E-02 1.4534E-04 1.4199E-00 1.2624E-00 1.2624E-00 2.3321E-00 -2.0147E-01 1.0859E-01 2.3365E-02 2.7115E-02 2.2951E-01 7.0162E-02 2.3955E-01 2.3365E-00 4.9366E-01 4.9428E-01 4.0602E-01 1.0428E-01 1.0428E-01 1.0428E-01 1.0428E-01 1.0428E-01 1.0428E-01	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2474E-00 2.3409E+00 -2.1134E-01 0.382E-01 1.384[2E-11 2.3273E-01 1.384[2E-11 2.3273E-01 2.3273E-01 2.3273E-01 2.3373E-01 2.3373E-01 1.384[2E-11 2.3398E-01 2.3398E-01 1.90558E-11 1.90558E-11 1.90558E-11 1.90558E-11 1.00861E-00	
P/PTINF RHO U V W UC VC VC VC VC VC VX VY VI PSINOR THETNCR XBHLD YAAR VBHLD ETA G	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.4881E-00 2.2983E-00 1.7859E-01 2.8840E-16 1.6815E-01 0. -1.6815E-01 2.2991E+00 0. 8.5817E+01 0. -8.6036E-01 4.5152E-02 2.2058E-01	4.4171E-02 2.4592E-01 4.6593E-04 3.9577E-00 2.5905E-02 2.2971E-00 1.7714E-01 -2.8653E-02 2.2574E-00 1.7343E-01 1.7343E-01 1.1144E-02 -1.6609E-01 2.2976E-00 2.0976E-00 2.0976E-00 4.6017E-01 3.5547E-01 4.3400E-02 4.400E-01	4.5363E-02 2.5257E-01 4.0643E-00 2.5334E-00 2.5334E-00 2.2959E-00 -1.7723E-01 1.624E-02 2.2955E-00 1.9148E-01 1.0764E-01 2.1754E-01 2.1754E-01 2.1754E-01 2.2925E-00 4.4651E-00 4.4651E-00 7.1657E-01 7.1657E-01 6.8031E-01 3.930E-02 2.1738E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.2955E-00 1.7998E-01 -5.5726E-C3 2.2861E-00 2.3373E-C1 1.4550E-01 2.4571E-C2 2.7100E-C1 -4.971E-C2 2.2861E-00 6.7666E-00 6.7666E-00 6.7666E-00 6.7666E-00 6.7766E-00 6.7766E-00 4.1513E-C1 1.C559F-00 -4.1513E-C1 3.2774E-C2 3.2774E-C2 2.3019E-C1	I=5  2.5970E-02 2.224E-01 3.6683E-04 3.5283E-00 2.3523E-00 2.2588E-00 1.7500E-01 1.3349E-01 1.3349E-02 2.8688E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 2.3149E+00 2.3106E-00 2.3106E-00 3.0072E-01 7.7874E-02 2.5968E-01 1.6970E-01 2.6019E-01 2.3106E+00 4.2005E+00 4.2005E+00 4.743E-01 1.6970E-01 5.6399E-01 4.743E-01 5.6399E-01 4.7720E-02 2.7596E-01	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E-00 2.3289E-00 -1.7327E-01 2.3279E-00 2.3661E-01 4.6175E-02 2.3549E-01 1.3072E-01 1.3072E-01 1.3072E-01 1.3072E-01 1.6844E-02 2.6049E-01 1.6841E+00 8.3618E+01 7.8554E-01 8.7525E-01 6.8752E-01 6.8752E-01	1.5836E-02 8.813E-02 1.4534E-04 1.4195E-00 1.2624E-00 2.3321E-00 -2.0147E-01 1.0859E-01 2.3365E-02 2.7115E-02 2.2951E-01 7.0162E-02 2.3965E-01 2.3365E-00 4.9366E-01 4.9423E-01 4.0602E-01 1.0121E-02 1.0376E-01 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00 1.0370E-00	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2474E-00 2.3409E+00 -2.1134E-01 03.39E-01 2.3273E-01 1.8472E-12 2.3273E-01 2.3273E-01 2.3273E-01 2.3273E-01 1.2339E-01 2.3398E-01 -9.0558E-11 1.0881E+00 6.8812E-02 2.27081E-01	
P/PTINF P/PINF RHO U V W UC VC VC VC VC VC VX VY VI PSINOR THETNCR XBHLD YAAR YBHLD ETA G OEONS AM	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.4881E-01 0.2884E-10 2.2991E-00 1.6815E-01 0.8840E-16 1.6815E-01 0.815E-01 0.815E-01 0.85817E-01 0.85817E-01 0.85817E-01 0.85817E-01 0.85817E-01 0.85817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01 0.95817E-01	4.4171E-02 2.4592E-01 4.6593E-04 3.9577E-00 2.5905E-02 2.2971E-00 1.7714E-01 -2.8653E-02 2.2574E-01 1.7343E-01 1.7343E-01 1.1144E-02 1.609E-01 2.2976E-00 2.0946E-00 8.6017E-01 3.5547E-01 4.3490E-01 4.3490E-01 4.3490E-01 4.3490E-01 5.7533E-00 5.7533E-00	4.5363E-02 2.5257E-01 4.0643E-00 2.5334E-00 2.5334E-00 2.5334E-00 2.2959E-00 1.6724E-01 1.624E-02 2.2955E-00 1.9148E-01 1.0724E-01 2.1754E-01 3.0436E-02 1.790E-01 2.2925E-00 4.4651E-00 7.1657E-01 7.1657E-01 7.0802E-01 6.8031E-01 3.9306E-02 2.21738E-01 6.21738E-01 6.21738E-01 6.1718E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.2955E-00 1.7959E-01 -5.5726E-C3 2.2861E-00 2.3373E-C1 1.4550E-01 1.4550E-01 2.4571E-C2 2.7100E-C1 -4.971E-C2 2.7100E-C1 -4.9714E-C2 2.2861E-00 4.766E-00 4.766E-00 4.766E-00 4.767E-C1 3.2774E-C2 2.3619E-C1 7.3556E-C0 7.3556E-C0 6.1627E-CE	I=5  2.5970E-02 2.224E-01 3.6683E-04 3.5283E-00 2.3523E-00 2.2588E-00 1.3539E-01 1.3349E-01 1.3349E-02 2.862E-00 7.5927E-00 1.1939E-00 2.8628E-01 2.4189E-02 3.3931E-02 2.8688E-01 2.4189E-02 3.3931E-02 2.8688E-01 2.4189E-02 3.3931E-02 2.8688E-01 2.4189E-02 3.3931E-02 3.4868E-01 4.3496E-00	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 2.3149E+00 0.3106E-00 1.3110E-01 2.3110E-01 2.3110E-01 2.3106E-00 1.77874E-02 2.5968E-01 1.6970E-01 2.5019E-01 2.3106E+00 4.2005E+00 4.2005E+00 4.7433E-01 1.6970E-01 5.6399E-01 4.7720E-02 2.7956E-01 7.7876E-00 6.7366E-00	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E-00 2.3289E-00 -1.7327E-01 2.3279E-00 2.3279E-00 2.3661E-01 4.6175E-02 2.3549E-01 1.3072E-01 1.3072E-01 1.3072E-01 1.6844E-02 2.6049E-01 1.6841E+00 8.3618E+01 7.8554E-01 8.7525E-01 6.837E-02 2.9376E-01 9.7255E-01 6.837E-02 2.9120E-01 5.9003E+00	1.5836E-02 8.813E-02 1.4534E-04 1.4199E-00 1.2624E-00 1.2624E-00 2.3321E-00 -2.0147E-01 1.0859E-01 2.3365E-02 2.7115E-02 2.2951E-01 7.0162E-02 2.3955E-01 2.3365E-00 4.9366E-01 2.3365E-00 4.9366E-01 1.0310E-02 2.9423E-01 1.0101E-00 2.9423E-01 1.0310E-02 2.9423E-01 1.0310E-02 2.9423E-01 1.0310E-02 2.9423E-01 1.0310E-02 2.9423E-01	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2474E+00 2.3409E+00 -2.1134E-01 0.330E+00 2.3273E-01 1.8472E-12 2.3273E-01 2.3273E-01 2.3273E-01 2.3273E-01 1.2339E-01 2.3399E-00 6.8978E-10 -9.0558E-11 1.0881E+00 8.3812E-02 2.7081E-01 4.444E+00	
P/PTINF P/PINF RHO U V W UC VC VC VC VC VC VX VY VI PSINOR THETNCR XBHLD YBAR VBHLD ETA G OEONS AM CROSSM SBAR	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.4881E-01 0.2881E-01 2.8840E-16 1.6815E-01 016815E-01 024991E-00 08.6036E-01 4.5152E-02 2.0594E-01 5.6739E-00 6.2245E-00 4.8221E-01	4.4171E-02 2.4582E-01 4.6539E-04 3.9577E-00 2.5905E-02 2.2971E-00 1.7718E-01 -2.8653E-02 2.257EE-02 1.7343E-01 1.7343E-01 1.1144E-02 1.609E-01 2.2976E-00 2.094CE-00 8.6017E-01 3.5547E-01 4.3490E-01 4.3490E-01 5.7733E-00 6.2125E-00 4.2385E-01 5.255E-02	4.5363E-02 2.5257E-01 4.0643E-00 2.2959E-00 2.2959E-00 1.772E-01 3.6224E-02 2.2955E-00 1.9148E-01 1.0724E-01 2.1754E-01 3.0436E-02 1.790E-01 1.2720E-01 1.2720E-01 1.2720E-01 1.2720E-01 1.67E-01 7.1657E-01 7.1657E-01 7.0802E-01 6.8031E-01 3.9306E-02 6.1718E-01 6.2178E-01 6.2178E-01 6.417E-01 6.417E-01 6.417E-01 6.41719E-01 6.417E-01 6.417E-01 6.417E-01 6.417E-01 6.417E-01 6.417E-01 6.417E-01 6.417E-01 6.417E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.25549E-00 2.2559E-00 1.7799E-01 -5.5726E-C3 2.2861E-00 2.3373E-C1 1.4550E-01 1.4550E-01 1.4550E-01 1.4570E-01 1.4570E-01 1.4570E-01 1.4570E-01 1.62599E-02 4.1513E-C1 1.6559E-02 4.1515E-01 1.6559E-02 4.1515E-01 1.6559E-02 4.1615E-01	I=5  2.5970E-02 2.224E-01 3.6683E-04 3.5283E-00 2.2528E-00 2.2528E-00 1.35349E-01 2.2862E-00 3.449E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 1.3349E-01 2.2662E-00 7.5927E-00 2.2662E-00 7.5927E-00 2.2662E-00 2.2663E-01 2.3489E-02 2.3688E-01 2.4889E-02 2.8688E-01 2.4869E-02 2.8688E-01 2.4869E-02 2.8688E-01 2.4869E-02 2.8688E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3195E-00 1.7854E+00 2.3149E+00 0.1.5256E-01 2.3110E-01 2.3110E-01 2.3106E-00 1.7787E-02 2.5968E-01 1.6970E-01 2.5019E-01 2.3106E+00 4.2005E+00 4.2005E+00 4.7433E-01 5.6399E-01 4.7720E-02 2.978EE-02 6.393E-01 7.7876E+00 6.3936E+00 6.3936E+00 6.3936E+00 6.3936E+00 6.3936E+00 6.3936E+00 6.3936E+00	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E-00 2.3289E-00 0.1-327E-01 2.3279E-00 2.3661E-01 4.6175E-02 2.3549E-01 1.3072E-01 1.3072E-01 1.3072E-01 1.6844E-02 2.6049E-01 1.6841E+00 8.3618E+01 7.8554E-01 8.7525E-01 6.837E-02 2.9376E-01 8.7525E-01 6.837E-02 2.9120E-01 5.9003E-00 8.1920E-01 5.9003E-00 8.1920E-01 8.2922E-03	1.5836E-02 8.813E-02 1.4534E-04 1.4195E-00 1.2624E-00 1.2624E-00 1.2624E-00 1.2624E-00 2.3361E-00 2.3365E-01 2.7115E-02 2.2951E-01 7.0162E-02 2.3955E-01 2.3365E-00 4.9366E-01 1.0376E-00	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2474E+00 2.3409E+00 -2.1134E-01 3.392E-00 2.3273E-01 1.8472E-12 2.3273E-01 2.3273E-01 2.3273E-01 1.23273E-01 1.2339E-00 -6.8978E-10 -9.0558E-11 1.0881E+00 8.3812E-02 2.27081E-01 4.444E+00 6.8544E-01 7.6231E+00 6.8544E-01 7.6231E+00 6.8544E-01 7.6231E+00 6.8544E-01	
P/PTINF RHO U V W UC VC VC VC VC VC VX VY VI PSINDR THETNCR XBHLD YAAR VBHLD ETA G OEONS AM CROSSP SBAR PIROGAM PIPPIINE	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.4881E-01 0.2891E-01 2.8840E-16 1.6815E-01 0.815E-01 2.2991E-00 0.85817E-01 0.85817E-01 0.85817E-01 0.85817E-01 0.85817E-01 0.9581	4.4171E-02 2.4582E-01 4.6539E-04 3.9577E-00 2.2971E-00 2.2971E-00 1.7718E-01 -2.8653E-02 2.257EE-02 1.7343E-01 1.7343E-01 1.1144E-02 1.8045E-01 1.1144E-02 2.0976E-00 2.0976E-00 2.0976E-00 3.6547E-01 3.3996E-01 -8.1490E-01 4.3490E-01 4.3490E-01 5.753E-00 6.2125E-00 4.2125E-00 4.2385E-01 6.2555E-01 6.2555E-01 6.2243F-02 1.2243F-02 1.2243F-02	4.5363E-02 2.5257E-01 4.0643E-00 2.2959E-00 2.2959E-00 2.2959E-00 1.6728E-01 1.6224E-02 2.2925E-00 1.9148E-01 1.0724E-01 2.1754E-01 3.0436E-02 1.790E-01 1.2720E-01 2.2925E-00 4.4651E-00 4.4651E-00 7.1657E-01 7.1657E-01 7.0802E-01 6.8031E-01 3.9306E-02 2.1738E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01 6.4718E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.25549E-00 2.2559E-00 1.7799E-01 -5.5726E-C3 2.2861E-00 2.23373E-C1 1.4550E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.7100E-C1 -4.9714E-C2 2.2861E-00 4.766E-00 4.766E-00 4.7676E-01 1.C250E-00 4.1513E-C1 7.3556E-00 4.1575E-C1 7.3556E-00 4.157E-C2 4.8175E-C1 2.312E-C2 1.2312E-C2	I=5  2.5970E-02 2.224E-01 3.6683E-04 3.5813E-00 2.3523E-00 2.2758E-00 1.3349E-01 2.6628E-00 7.572E-00 1.1939E-00 2.8628E-01 2.1939E-02 2.8628E-01 2.4189E-02 3.3931E-02 2.4868E-01 2.4868E-01 2.4868E-01 2.4868E-01 2.4868E-01 2.4868E-01 2.4868E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3193E-00 1.7854E+00 2.3149E+00 2.3149E+00 2.3106E-00 3.0072E-01 7.7874E-02 2.5968E-01 1.6970E-01 2.5019E-01 2.3106E+00 4.2005E+00 4.2005E+00 4.7433E-01 1.5639E+01 5.6399E-01 4.7720E-02 2.9782E-01 7.9876E+00 6.2393E-01 2.9781E-02 1.1498E-02 9.2825E-01	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E-00 2.3289E-00 1.4461E-00 2.3289E-00 1.7327E-01 2.3279E-00 2.6461E-01 4.6173E-02 2.3549E-01 1.3072E-01 1.3072E-01 1.3072E-01 6.8441E-00 8.3018E-01 7.8524E-01 8.7525E-01 6.6377E-02 2.9120E-01 5.9003E-00 6.120E-01 8.202E-03 1.120E-01 8.202E-03 1.346E-00 8.202E-03 1.346E-00 8.3518E-01 8.7525E-01 6.807E-02 8.755E-01	1.5836E-02 8.813E-02 1.4534E-04 1.4189E-00 1.2624E-00 2.331E-00 2.331E-00 2.331E-01 2.3369E-00 2.7115E-02 2.791E-01 1.0859E-01 2.7915E-02 2.3954E-01 1.0356E-01 2.3365E-01 4.0682E-01 1.0181E-00 4.9423E-01 1.0181E-00 1.0376E-01 1.0181E-00 1.0376E-01 1.0181E-00 1.0376E-01	1.5224E-02 8.4723E-02 1.3972E-04 1.3640E+00 1.2474E+00 2.3409E+00 -2.1134E-01 3.3409E+00 2.3273E-01 1.8472E-12 2.3273E-01 1.8472E-12 2.3273E-01 1.23273E-01 1.23399E-0 6.8978E-10 -9.0558E-11 1.0881E+00 8.3812E-02 2.27081E-01 4.444E+00 6.8544E-01 7.0188E-04 6.8544E-01 7.0188E-04 6.8544E-01 7.0188E-04 6.8544E-01 7.0188E-04 6.8544E-01 7.0188E-04 1.1168E-04 1.1168E-04	
P/PTINE P/PINE RHO UU V W UC VC VC VC VC VC VC VY VI	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E+00 2.2981E+00 0.22981E+00 1.7859E-01 0.22991E+00 0.28840E-16 1.6815E-01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0	4.4171E-02 2.4562E-01 3.9577E-00 3.9577E-00 2.2977E-00 1.7718E-01 -2.8653E-C2 2.2576E-00 1.77342E-C1 2.1066E-02 1.1044E-02 8.4010E-02 8.4340E-01 8.4340E-01 8.4340E-01 8.4340E-01 8.4340E-01	4.5363E-02 2.5257E-01 4.1061E-04 4.063E+00 2.25364E+00 2.2752E+01 -3.6264E-02 2.2725E+00 1.9148E-01 2.1754E-01 2.1754E-01 2.1754E-01 2.1754E-01 2.1754E-01 2.1754E-01 2.1754E-01 2.1754E-01 2.2725E+00 8.6831E+01 7.0862E-01 6.7715E-01 6.7715E-01 6.7715E-01 6.7715E-01 6.2461E+00 6.1718E+00	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.25549E-00 2.35726E-03 2.3801E-00 2.3373E-C1 2.4501E-02 2.7100E-C1 2.6972E-C2 2.7100E-C1 2.6972E-C1 2.6972E-C1 2.4714E-C2 2.2861E-00 0.8762E-01 1.0200E-00 1.02559E-00 1.0255	1-5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E-00 2.3523E+00 2.3523E+00 2.2558E+00 3.6475E-01 3.349E-01 3.349E-01 3.0475E-01 3.0475E-01 3.0475E-01 3.0475E-01 2.0682E+00 3.0475E-01 2.0682E+00 3.0475E-01 2.0682E+00 3.0475E-01 2.0682E-00 2.0688E-01 2.0688E-01 2.0688E-01 2.0688E-01 2.0688E-01 2.0688E-01 2.0688E-01	2.5885E-02 1.4405E-01 2.3756E-04 2.3195E-00 2.3149E+00 2.3149E+00 2.310E-01 2.3106E+00 3.0072E-01 1.7047E-01 1.7047E-01 2.6019E-01 2.3106E+00 4.2055E+00 6.3592E+01 1.0875E+00 1.0077E-00 1.0977E-01 1.0855E+00 1.0977E-01 2.3106E+00 6.3592E+01 6.369E-01 6.7433E-01 6.7436E+00 6.3936E-01 6.2393E-01 2.7981E-02	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E-00 2.3269E-00 2.3279E-01 2.547E-01 2.3279E-02 2.6461E-01 1.3072E-01 6.844E-02 2.6649E-01 2.3279E-00 6.844E-02 6.3618E-01 6.807E-01 6.807E-01 6.2020E-01 6.2020E-01 6.377E-02 2.3746E-01 6.377E-02 2.3746E-01 6.377E-02 2.3746E-01 6.377E-02 2.3746E-01 6.377E-02 2.3746E-01 6.377E-02 2.3746E-01 6.377E-02 2.3746E-01 6.376E-01 6.376E-01 6.376E-01 6.376E-01 6.376E-01 6.376E-01 6.376E-01	1.5836E-02 8.8138E-02 8.8138E-02 1.2124E-04 1.4124E-00 2.321E-00 2.331E-00 2.336E-01 2.7115E-02 2.7115E-02 2.0136E-02 2.0136E-02 2.0396E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.336E-01 2.3428E-01 2.371E-00 2.371E-00 2.371E-00 2.371E-00 2.371E-00 2.371E-00 2.371E-01 2.371E-01 2.371E-01 2.371E-01 2.371E-01 2.371E-01	1.5224E-02 8.4728E-02 1.3972E-04 1.3640E+00 1.24746F00 2.3409E+00 2.31389E+00 2.3273E-01 1.8412E-11 2.3273E-01 2.3273E-01 2.3339E+00 2.3473E-11 2.3273E-01 2.3339E+00 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 2.3471E-01 3.4371E-01 1.0861E+00 1.0861E+00 7.6231E+00 7.6231E+00 7.6231E+00 7.6231E+00 7.6331E-01 7.0168E-04	
P/PIINE P/PINE RHO UU V W UC VC VC VC VC VC VC VY VI	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.2981E-00 0.22981E-00 1.7859E-01 0.22991E-00 0.28840E-16 1.6815E-01 0.0. 0.85817E-01 0.0. 0.85817E-01 0.0. 0.985817E-01 0.0. 0.985918E-01 0.0. 0.985918E-01 0.0. 0.985918E-01 0.0. 0.985918E-01 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0	4.4171E-02 2.4582E-01 4.6535E-04 3.9577E-00 2.9771E-00 2.2977E-00 1.7718E-01 -2.8653E-C2 2.2576E-00 1.7742E-C1 1.1046E-02 1.8045E-01 1.1144E-02 8.4010E-02 2.4976E-00 8.6017E-01 3.3996E-01 8.1967E-01	4.5363E-02 2.5257E-01 4.10613E-04 4.0063E+00 2.25364E+00 2.25364E+00 2.2795E+00 1.7723E-01 -3.6226E-02 1.7926E-01 2.1792E-01 2.1792E-01 2.1792E-01 2.2725E+00 4.4651E+00 4.4651E+00 6.715E-01 -6.7715E-01 -6.7715E-01 -6.7715E-01 -6.7715E-01 -7.674E-01 9.803E-02 2.173E-01 9.803E-02 2.173E-01 -7.682E-01 6.2461E+00 6.1713E+00 6.1713E-01 9.803E-02 7.8224E-01	1=4 4.5778E-C2 2.5476E-C1 4.5013E-C4 4.1017E-00 2.2955e-00 1.7999E-01 -5.5726E-C3 2.3816E-00 2.3373E-C1 1.4550E-01 2.6912E-C1 2.6912E-C1 2.6912E-C1 2.4914E-C2 2.7100E-C1 1.0250E-00 1.0250	1-5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E-00 2.3523E+00 2.3523E+00 2.3523E+00 2.475E-01 1.3349E-01 2.2662E+00 3.6475E-01 3.349E-01 3.6475E-01 2.2662E+00 2.46688E+01 2.4189E-02 2.8626E+00 2.4688E+01 2.4189E-02 2.4688E-01 2.4189E-02 2.4688E-01 2.4189E-02 2.4688E-01 2.4189E-02	2.5885E-02 1.4405E-01 2.3756E-04 2.3195E-00 2.1854E+00 2.310E-01 2.310E-01 2.310E-00 3.0072E-01 1.7047E-01 2.4019E-01 2.5	1.8896E-02 1.0516E-01 1.7342E-04 1.6931E-00 2.3269E-00 2.3269E-00 1.7327E-01 1.9547E-01 1.9547E-01 2.3279E-00 2.6461E-01 2.3279E-00 2.6461E-01 2.3279E-00 6.8448E-02 2.6649E-01 2.3279E-00 6.8618E-01 6.8007E-01 6.8007E-01 6.725E-01 6.837E-02 2.9120E-01 8.725E-01 6.222E-03 1.346E-00 7.346E-00 7.346E-00 7.346E-00 7.346E-00 7.346E-00 7.346E-00 7.346E-00 7.346E-00 7.346E-00	1.5836E-02 8.8133E-02 8.8133E-02 1.4169E-00 1.324E-00 2.331E-00 2.338E5E-01 2.336E5E-01 2.336E5E-01 2.336E5E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.335E-01 2.	1.5224E-02 8.4728E-02 1.3972E-04 1.3640E+00 1.24746F00 2.3409E+00 2.31346E-01 0.3273E-01 1.8472E-12 2.8273E-01 2.3273E-01 2.3330E+00 2.3273E-01 2.3330E+00 2.3273E-01 2.3330E+00 2.3273E-01 2.3330E+00 2.3273E-01 2.3330E+00 2.3273E-01 2.3273E-02 2.701E-01	` <b>1-10</b> `
P/PIINE RHO UU V W UC VC VC VC VC VC VC VC VC VC VY VI	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4888E+00 2.2981E+00 0.22981E+00 1.7859E-01 0.622991E+00 0.63884E-10 0.6036E-01 -8.6036E-01	4.4171E-02 2.4582E-01 4.6535E-04 3.9577E-00 2.2977E-00 2.2977E-00 1.7718E-01 -2.8653E-C2 2.2576E-00 1.7749E-C1 -1.1046E-02 1.1046E-02 1.1046E-02 1.1046E-02 1.1046E-03 1.1144E-02 8.4010E-02 8.4010E-02 2.094CE+00 8.6017E+01 3.3996E-01 -8.1490E-01 -8.2565E-01 -8.341E-01 -8.2900E-04 -8.341E-01 -1.2900E-05 -7.8671E-03 -9.5573E-03	4.5363E-02 2.5257E-01 4.10613E-04 4.0063E+00 2.25364E+02 2.5364E+02 2.2925E+00 1.9748E-01 2.1723E-01 2.1794E-01 2.1794E-01 2.1794E-01 2.1794E-01 2.1794E-01 2.2925E+00 8.6831E+01 7.0862E-01 7.0862E-01 7.0862E-01 9.4715E-01 6.7715E-01 6.7715E-01 6.7715E-01 7.874E-01 9.803E-02 7.824E-01 9.803E-02 7.824E-01 9.803E-02 7.824E-01 9.803E-02 7.824E-01 9.803E-03 7.824E-01	1=4 4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.25549E-00 2.35726E-01 2.57726E-01 2.5972E-C1 2.6972E-C1 2.74971E-C1 2.74971E	1-5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E-00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.349E-01 3.349E-01 3.349E-01 3.349E-01 3.349E-01 2.2862E+00 2.6688E+01 1.393E+00 2.2862E+00 2.4862E+00 2.4862E+01 2.4189E-02 2.8688E-01 2.4189E-02 2.8688E-01 2.4189E-02 2.8688E-01 2.4496E-01 2.4496E-01 2.4806E-02 2.2668E-01 2.3931E-02 2.2668E-01 2.3931E-03 2	2.5885E-02 1.4405E-01 2.3175E-04 2.3175E-04 2.3195E-00 2.3149E-00 2.310E-01 2.3106E-00 3.0072E-01 1.7047E-01 1.7047E-01 2.6019E-01 2	1.8896E-02 1.0516E-01 1.7342E-04 1.6931E-00 2.3289E-00 2.49481E-01 1.9547E-01 2.3279E-00 2.6461E-01 1.3072E-01 6.8448E-02 2.35748E-01 2.3279E-00 6.8448E-02 2.36049E-01 2.3279E-00 6.8067E-01 6.8067E-01 6.8067E-01 6.7255E-01 6.807E-02 2.9120E-01 8.7255E-01 6.8376E-02 2.9120E-01 8.7255E-01 6.8376E-02 2.9120E-01 8.7255E-01 6.8376E-02 2.9120E-01 8.7255E-01 6.8376E-02 2.9136E-03 1.1253E-02 5.7965E-01 1.0674E-01 1.0674E-01 1.3975E-01	1.5836E-02 8.8138E-02 8.8138E-02 1.8129E-03 1.2129E-03 2.331E-03 2.336E-01 1.0365E-01 1.0365E-01 2.7115E-02 2.2015E-02 2.0395E-01 2.336E-03 2.336E-03 1.346E-01 2.436E-01 2.436E-01 2.436E-01 2.436E-01 2.436E-01 2.458E-01 2.458E-01 2.585E-01 1.0421E-02 2.758E-01	1.5224E-02 8.4728E-02 1.3972E-04 1.3640E+00 1.24746F00 2.3409E+00 2.31389E+00 2.3273E-01 1.8412E-11 2.3273E-01 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.3389E+00 2.3389E+00 2.4331E+00 1.0861E+00 7.6231E+00	T <b>-10</b>
P/PIINE RHO UU V W UC VC WC VC WC VC VX VY VI	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.2981E-00 0.22981E-00 1.7859E-01 0. 22991E-00 0. 28.8840E-16 1.6815E-01 0. 0. 0. 8.5817E-01 0. 0. 0. 8.5817E-01 0. 0. 0. 8.5817E-01 0. 0. 0. 8.5817E-01 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	4.4171E-02 2.4562E-01 4.6535E-04 3.9577E-00 2.2977E-00 2.2977E-00 1.7718E-01 -2.8653E-C2 2.2576E-00 1.7742E-C1 1.1046E-02 1.8045E-01 1.1144E-02 8.4010E-02 8.4010E-03 8.4546E-01 8.4340E-1 8	4.5363E-02 2.5257E-01 4.10613E-04 4.0063E+00 2.25364E+00 2.25364E+00 2.25364E+00 1.7723E-01 -3.6226E-02 1.7926E-01 2.1792E-01 2.1792E-01 2.1792E-01 2.2725E+00 4.4621E+00 6.6831E+01 7.1067E-01 7.0862E-01 7.0862E-01 6.715E-01 6.715E-01 6.715E-01 6.715E-01 6.8715E-01 7.882E-04 6.8471E-01 9.803E-02 7.8224E-01 9.803E-02 7.8224E-01 9.803E-02 7.8224E-01 9.803E-02 7.8224E-01	1=4  4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.25549E-00 2.35726E-01 2.57726E-01 2.6972E-C1 2.6972E-C2 2.7100E-C1 2.6972E-C1 2.6250E-C2 2.7100E-C1 1.0250E-01 1.0250E-01 1.0250E-01 1.02559E-00 1.02559E-00 1.02559E-01 1.0250E-01	1-5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E-00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.349E-01 3.349E-01 3.349E-01 3.349E-01 3.349E-01 2.2682E+00 6.6688E+01 1.393E-02 2.2682E+00 6.6688E+01 2.4189E-02 2.26868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.486E-02 2.486E-02 2.486E-03 2.3931E-03 2.3	2.5885E-02 1.4405E-01 1.3375E-04 2.3195E-00 2.3149E+00 2.3149E+00 2.310E-01 2.310E-01 2.310E-01 2.310E-01 2.310E-01 2.310E-01 2.310E+00 3.0072E-01 1.6970E-01 1.6970E-01 1.6970E-01 1.6970E-01 2.3106E+00 6.3592E+01 1.0875E+00 6.3399E-01 2.7346E-00 6.3399E-01 2.7978E-02 2.7526E-10 1.0875E-10 6.3399E-01 1.1498E-02 9.2825E-01 1.0114E+02 -1.6203E-03 -9.1988E-03 -9.1988E-03 -1.8312E-01 -1.8312E-01 -1.8312E-01 -1.8312E-01	1.8896E-02 1.0516E-01 1.7342E-04 1.6921E-00 2.3269E-00 2.3269E-00 2.6461E-01 1.9547E-01 2.3279E-00 2.6461E-01 1.3072E-01 6.844E-02 2.3574E-01 2.3279E-00 6.844E-02 2.3604E-01 2.3279E-00 6.8067E-01 6.8067E-01 6.8067E-01 6.8067E-01 6.2020E-01 8.725E-01 6.2020E-01	1.5836E-02 8.8138E-02 8.8138E-02 1.2124E-00 1.2124E-00 2.331E-00 2.331E-00 2.3365E-01 2.7115E-02 2.2016E-02 2.0136E-02 2.0136E-02 2.0136E-02 2.0136E-01 2.0136E-02 2.0136E-01 2.0136E-	1.5224E-02 8.4728E-02 1.3972E-04 1.3640E+00 1.24746F00 2.3409E+00 2.3138FE-01 2.3338FE-01 2.3273E-01 1.8412E-11 2.3273E-01 2.3338FE-10 2.3338FE-10 2.3338FE-10 2.3338FE-10 2.3338FE-10 2.3338FE-10 2.3338FE-10 2.3338FE-10 3.4317E-01 2.4338FE-10 1.0861E-00 1.0861E-00 1.0861E-00 1.0861E-00 1.0861E-00 1.0861E-00 2.27081E-11 1.0861E-02 2.7081E-01 2.318E-00 2.27081E-01 2.318E-00 2.27081E-01 2.318E-00 2.27081E-01 2.2742E-02 2.7062E-03 2.2142E-02 2.7062E-04 2.2764E-04	
P/PIINE RHO UU V W UC VC VC VC VC VC VC VX VI	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 0.24881E+00 0.24981E+00 0.22981E+00 1.7859E-01 0.22991E+00 0.28840E-16 1.6815E-01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.5817E+01 0.0. 0.8.6036E-01 8.6036E-01 8.6036E-01 8.6036E-01 8.6036E-01 8.6036E-01 8.6036E-01 8.6036E-01 9.142E-02 2.0584E-01 9.142E-02 1.222E-02 7.9624E-01 2.0486E-10 2.0486E-10 2.0486E-10 2.0486E-10 2.0486E-10 2.0486E-10 2.0486E-10 2.0486E-10 8.6759E-01 2.0486E-10 8.6759E-01 8.6759E-01 8.6759E-01 8.6759E-01 8.7142E-32 2.2332E-01 8.7142E-32	4.4171E-02 2.4562E-01 3.4577F-00 3.9577F-00 2.2977E-00 2.2977E-00 1.7718E-01 -2.8653E-C2 2.2577E-00 1.77343E-C1 5.1006E-01 2.1609E-01 2.2976E-00 6.017E-01 3.3996E-01 -8.1490E-01 -8.1490E-02 -2.0757E-01 -8.1490E-01 -8.2595E-03 -9.5576E-03 -9.5576E-03 -9.5576E-03	4.5363E-02 2.5257E-01 4.10613E-04 4.0063E+00 2.2959E+00 2.2959E+00 1.7723E-01 -3.6264E-02 1.7723E-01 2.17962E-01 2.17962E-01 2.17962E-01 2.2925E+00 0.17125E-01 2.2925E+00 0.17125E-01 2.2925E+00 0.17125E-01 2.2925E+00 0.17125E-01 0.7715E-01 0.7715E-01 0.7715E-01 0.8603E-01 0.2461E-01 0.	1=4  4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.2955E-00 2.3972E-C1 2.5972E-C1 2.6972E-C1 2.74971E-C1 2.74971E-C1 2.74971E-C1 2.74972E-C1 2.74972E	1-5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E-00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.349E-01 3.349E-01 3.349E-01 3.349E-01 3.349E-01 2.2682E+00 6.6688E+01 1.393E-02 2.2682E+00 6.2688E-01 2.489E-02 2.4868E-01 2.489E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.4868E-02 2.486E-03 2.3931E-03 2.39	2.5885E-02 1.4405E-01 1.3375E-04 2.3195E-00 2.3149E-00 2.310E-01 2.3110E-01 2.310E-01 2.310E-01 2.310E-01 2.310E-01 2.310E-01 2.310E-00 3.0072E-01 1.6970E-01 1.7047E-01 2.4010E-00 4.2055E+00 4.2055E+00 4.2055E+00 6.3592E+01 6.3592E+01 6.3592E-01 2.9782E-01 6.9782E-02 2.9782E-03 6.399E-01 2.9781E-02 2.9781E-02 9.2825E-01 1.0114E+02 -1.6203E-03 -9.1985E-03 -9.1985E-03 -1.8312E-01 -1.8462E-02 -2.3.2380E-02 -2.0764E-01	1.8896E-02 1.0516E-01 1.7342E-04 1.6972IE-00 2.3269E-00 2.3269E-00 2.6461E-01 1.9547E-01 2.3279E-00 2.6461E-01 1.3072E-01 6.844E-02 2.3574E-01 2.3279E-00 6.844E-02 2.3604E-01 2.3279E-00 6.861E-01 6.8007E-01 6.8007E-01 6.8007E-01 6.2020E-01 8.725E-01 6.2020E-01	1.5836E-02 8.8138E-02 8.8138E-02 1.1294E-04 1.4194E-00 2.3321E-00 2.3321E-00 2.3321E-00 2.3321E-00 2.3365E-01 2.7117E-02 2.2013E-02 2.0136E-02 2.0336E-01 2.3364E-01 2.3364E-01 2.3364E-01 2.3364E-01 2.3428E-01 2.3428E-01 2.3711E-02 2.0336E-02 2.7117E-02 2.0356E-01 2.3765E-01 2.3765E-01 2.3765E-01 2.3765E-01 2.4767E-01 2.4826E-01 2.5771E-00 2.5771E-01 2.4771E-02 2.8269E-06 2.1.0461E-01 2.4771E-02 2.8269E-06 2.1.0471E-01 2.4771E-02 2.8771E-01 2.4771E-02	1.5224E-02 8.4728E-02 1.3972E-04 1.3640E+00 1.24746F00 2.3409E+00 2.31389E+00 2.3273E-01 1.8412E-11 2.3273E-01 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.33389E+00 2.34317E+01 2.3273E-01 2.33389E+00 3.4317E+01 2.3273E-00 1.0861E+00 1.0861E+00 7.6231E+00	
P/PIINE RHO UU V W UC VC WC VC WC VC VC VX VI	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.2981E-00 0.22981E-00 1.7859E-01 0. 22291E-00 0. 22884E-10 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	4.4171E-02 2.4562E-01 4.653E-04 3.9577E-00 2.2977E-00 2.2977E-00 1.7718E-01 -2.8653E-C2 2.2576E-00 1.77342E-C1 5.1006E-01 2.2476E-00 2.2976E-00 2.2976E-00 2.2976E-00 2.0946E-01 2.3996E-01 -8.1490E-01 -8.2496E-01 -8.2496E-01 -8.2496E-01 -8.2496E-01 -8.2496E-01 -8.2496E-01 -8.2496E-01 -8.2496E-01 -8.2496E-01 -8.2496E-03 -9.5576E-03 -9.5576E-03 -9.5576E-03 -9.2576E-03	4.5363E-02 2.5257E-01 4.1061E-04 4.0063E-00 2.2959E-00 2.2959E-00 1.9723E-01 -3.626E-02 2.2925E-00 1.9148E-01 2.17962E-01 2.17962E-01 2.17962E-01 2.17962E-01 2.2925E-00 6.681E-01 2.2925E-00 6.681E-01 2.2925E-00 6.681E-01 2.2925E-00 6.681E-01 7.0862E-01 6.801E-01 9.803E-02 2.178E-01 6.81E-01 9.803E-02 7.8926E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.7166E-03	1=4  4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.2955E-00 2.3975E-01 2.5972E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.6972E-C1 2.74971E-C2 2.7400E-C1 2.74971E-C1 2.7497	1-5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E-00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 3.6475E-01 3.349E-01 3.349E-01 3.349E-01 3.2662E+00 6.6688E+01 1.399E+00 2.26862E+00 6.349E-01 2.4886E-01 6.4942E-01 2.4886E-02 6.2946E-01 7.420E-03 7.3916E-03	2.5885E-02 1.4405E-01 2.3756E-04 2.3195E-00 2.3169E-00 2.310E-01 2.3110E-01 2.3106E-00 3.0072E-01 1.596E-01 2.3106E-00 3.0072E-01 1.6970E-01 1.6970E-01 1.6970E-01 1.6970E-01 2.6019E-01 2.3106E-00 6.3592E-01 6.3692E-01 6.3692E-01 2.796E-01 2.796E-01 2.7976E-01 2.7976E-02 2.7976E-03	1.8896E-02 1.0516E-01 1.7342E-04 1.6972IE-00 2.3269E-00 2.3269E-00 2.464[E-01 1.9547E-01 1.9547E-01 1.9547E-01 2.3279E-00 2.646]E-01 2.3279E-00 2.646]E-01 2.3279E-00 2.646]E-01 2.3279E-00 6.841E-00 6.3618E-01 6.8067E-01 6.8067E-01 6.8067E-01 6.8067E-01 6.2020E-01 8.725E-01 6.222E-03 3.1125E-01 6.222E-03 1.1253E-02 5.9003E-00 6.3920E-01 6.222E-03 1.1253E-02 6.395E-01 6.222E-03 1.2678E-01 6.2379E-02 6.3379E-02 6.3379E-05 6.318E-03 6.1478E-01 6.2379E-02 6.3379E-05 6.3379E	1.5036E-02 8.813E-02 8.813E-02 8.813E-02 1.4214E-01 1.4124E-00 2.3321E-01 1.0059E-01 2.3365E-01 2.3365E-01 2.315E-02 2.013E-02 2.013E-02 2.0336E-01 2.336E-01 2.376E-01 2.376E-01 2.376E-01 2.576E-01 2.676E-01	1.5224E-02 8.4728E-02 1.3972E-04 1.3640E-00 1.2474E-50 2.3409E-00 2.3134E-01 0. 2.3338E-00 2.3273E-01 1.8412E-10 2.3273E-01 2.3273E-01 2.3338E-00 0.6.9578E-11 2.3273E-01 2.3338E-00 0.06.9578E-10 2.3338E-00 1.0861E-00 0.0858E-11 7.0168E-04 1.0861E-00 7.6231E-00 7.6231E-00 7.6231E-00 7.6231E-00 7.6231E-00 7.6211E-00 7.6211E-00 7.6231E-00 7.62511E-00 7.6361E-01	T-10
P/PTINF RHO U V W UC VC WC VC VC VC VC VX VY VI PSINOR THETNCR XBAR XBHLD YBAR YBHLD ETA G G G G G G S AM CROSS M S B B AM CROSS M S B AM CROSS M CROS	4.3802E-02 2.4377E-01 4.0200E-04 3.9247E-00 2.4881E-00 2.2981E-00 0.22981E-00 1.7859E-01 0. 22291E-00 0. 22884E-10 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	4.4171E-02 2.4582E-C1 4.6535E-04 3.9577E-00 2.2977E-00 2.2977E-00 1.7718E-01 -2.8653E-C2 2.2576E-01 1.7148E-01 1.7148E-01 1.7148E-01 1.1144E-02 2.0576E-01 2.1046E-03 1.6547E-01 3.6547E-01 3.3996E-01 -8.1400E-02	4.5363E-02 2.5257E-01 4.1061E-04 4.0063E-00 2.2959E-00 2.2959E-00 1.9723E-01 -3.626E-02 2.2925E-00 1.9148E-01 2.17962E-01 2.17962E-01 2.17962E-01 2.17962E-01 2.2925E-00 6.681E-01 2.2925E-00 6.681E-01 2.2925E-00 6.681E-01 2.2925E-00 6.681E-01 7.0862E-01 6.801E-01 9.803E-02 2.178E-01 6.81E-01 9.803E-02 7.8926E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.6826E-03 8.7166E-03	1=4  4.5778E-C2 2.5476E-C1 4.2013E-C4 4.1017E-00 2.2955E-00 1.7979E-01 -5.5726E-C3 2.2861E-00 2.3373E-C1 1.4550E-C2 2.7100E-C1 2.6912E-C1 2.49114E-02 2.2861E-00 6.7666E-60 6.8763E-01 1.6559E-C0 6.7666E-60 6.8763E-01 1.7395E-01 7.3955E-02 1.2312E-C2 1.3312E-C2 1.3312E-C2 1.3312E-C3 1.3305E-C1 1.3305E-C1 1.3305E-C1 1.3305E-C1 1.3305E-C1 1.3413E-O2 2.1413E-O2 2.1413E-O2 2.1413E-O2	1-5  2.5970E-02 2.2244E-01 3.6683E-04 3.5813E-00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 2.3523E+00 3.6475E-01 3.349E-01 3.349E-01 3.349E-01 3.2662E+00 6.6688E+01 1.399E+00 2.26862E+00 6.349E-01 2.4886E-01 6.4942E-01 2.4886E-02 6.2946E-01 7.420E-03 7.3916E-03	2.5885E-02 1.4405E-01 2.3756E-04 2.3195E-00 2.3169E-00 2.310E-01 2.3110E-01 2.3106E-00 3.0072E-01 1.596E-01 2.3106E-00 3.0072E-01 1.6970E-01 1.6970E-01 1.6970E-01 1.6970E-01 2.6019E-01 2.3106E-00 6.3592E-01 6.3692E-01 6.3692E-01 2.796E-01 2.796E-01 2.7976E-01 2.7976E-02 2.7976E-03	1.8896E-02 1.0516E-01 1.7342E-04 1.6972IE-00 2.3269E-00 2.3269E-00 2.464[E-01 1.9547E-01 1.9547E-01 1.9547E-01 2.3279E-00 2.646]E-01 2.3279E-00 2.646]E-01 2.3279E-00 2.646]E-01 2.3279E-00 6.841E-00 6.3618E-01 6.8067E-01 6.8067E-01 6.8067E-01 6.8067E-01 6.2020E-01 8.725E-01 6.222E-03 3.1125E-01 6.222E-03 1.1253E-02 5.9003E-00 6.3920E-01 6.222E-03 1.1253E-02 6.395E-01 6.222E-03 1.2678E-01 6.2379E-02 6.3379E-02 6.3379E-05 6.318E-03 6.1478E-01 6.2379E-02 6.3379E-05 6.3379E	1.5036E-02 8.813E-02 8.813E-02 8.813E-02 1.4214E-01 1.4124E-00 2.3321E-01 1.0059E-01 2.3365E-01 2.3365E-01 2.315E-02 2.013E-02 2.013E-02 2.0336E-01 2.336E-01 2.376E-01 2.376E-01 2.376E-01 2.576E-01 2.676E-01	1.5224E-02 8.4728E-02 1.3972E-04 1.3640E-00 1.2474E-50 2.3409E-00 2.3134E-01 0. 2.3338E-00 2.3273E-01 1.8412E-10 2.3273E-01 2.3273E-01 2.3338E-00 0.6.9578E-11 2.3273E-01 2.3338E-00 0.06.9578E-10 2.3338E-00 1.0861E-00 0.0858E-11 7.0168E-04 1.0861E-00 7.6231E-00 7.6231E-00 7.6231E-00 7.6231E-00 7.6231E-00 7.6211E-00 7.6211E-00 7.6231E-00 7.62511E-00 7.6361E-01	T•10 °

				ZETA= 7.CGC	OCOCOE-01					
	1=1-	1=2	t=3	1=4	1 = 5	1=6	1=7	1=8	t=9	1=10
P		4.4904E-02	4.6170E-02	4.67C8E-02	4.0449E-02	2.5718E-02	1.87226-02	1.5914E-02	1.53926-02	
P/ROASTSQ P/PTINE	Z-9109E-UI	2.47700-01	2.5695E-01 4.2373E-04	2.5994E-01 4.2867E-04	2.2511E-C1 3.7123E-04	1.4312E-01 2.3603E-04	1.0419E-01 1.7182E-04	E-8566E-02	8.5658E-02 1.4126E-04	
P/PINE	3.9870E+00	4.0234E+00	4.1369E+00	4.1850E+CO	3.6243E+00	2.3043F+00	1.6775E+00	1.4259E+00	1.3791E+00	
RHO	2.5163E+00	2.53008+00	2.5707E+00	2.5919E+00 2.2962F+60	2.3700E+00 2.3005E+00	1.7727E+00 2.3157E+00	1.4370E+00 2.3302E+00	1.2867E+G0 2.3355E+00	1.2575E+00 2.3430E+00	
V	-1.5637E-01	-1.5503E-01	-1.5553E-01	2.2962E+G0 -1.5872E-C1	-1.5567E-01	-1.3422E-C1	-1.5205E-C1	-1.75C6E-01	-1.8304E-01	
Tuc	0. 2.2978E+00	2.2962E+00	-3.5023E-02 2.2909E+00	2.2838E+00	1.3353E-01 2.2843E+00	2.3320E-01 2.3699E+00	1.9989E-01 2.3278E+00	1.11C6E-01 2.3364E+00	0. 2.3382E+00	
VC	1.7729E-01	1.83008-01	2.0137E-01	2.4537E-01 1.4829E-01	3.14128-01	3.0518E-01 7.9984E-02	2.6669E-01 5.3558E-02	2.4214E-01 2.9590E-02	2.3644E-01 1.8410E-11	
WC	3.0408E-16 1.7729E-01	5.1750E-02 1.9001E-01	1.08E0E-C1 2.2746E-01	2.81886-01	1.3353E-01 3.1412E-01	2.6156E-01	2.3396E-01	2.3195E-01	2.3644E-01	
WCC VX	0.	" 0 "1 E 0 OF - O 1	2.5481E-02	5.2367E-02	1.3353E-01 3.1412E-01	1.7641E-01 1.7158E-01	1.3877E-01 6.5246E-02	7.5519E-02 1.8355E-02	8.0195E-12 -2.8311E-11	
-VX		-1.6934E-01	1.8428E-01 -1.3575E-01	-5.5792E-C2	1.3353E-01	2.6476E-01	2.64C8E-01	2.4325E-01	2.3644E-01	
PSINOR	2.2978E+00 0.	2.2962E+00 2.1587E+00	2.2909E+00 4.5991E+00	2.2838E+C0 7.0159E+00	2.2843E+G0 7.8299E+00	2,3099E+00 4,2481E+00	2.3278E+00 1.6055E+60	2.3364E+00 4.5011E-01	2.3382E+00 -6.9373E-10	
THETNOR	8.5588E+01	8.5785E+01	8.662DE+01	8.8611E+01	8.6686E+01	8,3479E+01	8.35302+01	8.4056E+01	8.4226E+01	
XBAR XBHLD	0.	3.5920E-01	7.0417E-01	1.0020E+00	1.1746E+00 1.1649E+00	1.0593E+00 9.4550E-01	7.6420E-01 6.0884E-01	3.5528E-01 2.3058E-01	-8.7933E-11 -8.7933E-11	
YBAR	-8.2764E-01	-1.8404E-01	-6.5135E-01	1.0559E+00 -3.9969E-01	-2.7014E-11	4.5087E-01	7.7623E-01	5.6143E-01	1.0246E+C0	•
YBHLO ETA	3.5508F-02	-7.8873E-01	3.4352F-02	2.8694E-02	3.7871E-Q2 2.9690E-Q2	4.1755E-C2	8.5422E-01 5.8057E-02	4.5036E-02	1.0246E+C0 7.3336E-02	
	-1.7727E-01	-1.784CE-C1	-1.8715E-01	-2.C199E-01	~2.4455E-QL	-2.52468-01	-2-5006F-01	-2.3582E-01	-2.2818E-01 5.6106E+00	
DEGNS	5.8826E+00 6.2086E+00	5.9913E+00 6.1959E+00	6.3850E+00 6.1545E+00	7.3959E+00 6.1427E+00	5.5587E+CO 6.3337E+OO	6,9341E+00	7.3562E+00	5.695EE+00 7.5673E+00	7. 61 01 E+00	
CROSSM	4.2127E-01 9.1142E-02	4-2372F-01	4.2722E-01 9.8110E-02	4.2367E-01	5.6242E-Q1 7.5601E-02	8.0031E-01	7.88288-01	6.6785E-01 1.8831E-03	5.9270E-01 7.0168E-04	
PORCGAM	1.2226E-02 7.9624E-01	9.2625E-02 1.2244E-02	1.2311E-02	1.2312E-C2	1.2085E-02	1.1539E-02	1.1269E-02	1.1182E-02	1.1169E-02	
PT/PTINF	7.9624E-01 8.6759E+01	7.9329E-01 8.6438E+01	7.8249E-01	7.8234E-01 8.5244E+01	8.1955E-QL 8.9298E+Q1	9.2012E-GL 1.0026E+02	9.7609E-C1 1.0636E+02	9.9530E-01 1.0845E+02	9.9825E-01 1.0877E+02	
PT BERNOUL	2.3524E-10	-2.1072E-C6	-1.1837E-05	8.13696-06	1.1818E-04	-2.3869E-C5	-6.0435E-05	4.0547E-06	6.1680E-C9	
DUDZ	-6.4678E-03	-6.8014E-03	-7.3939E-03	-8.7710E-03	~4.3822E-03	2.0738E-03 -7.8712E-03	1.9098E-03	-5.2477E-04	~1.3438E-03	
DVDZ	-2.2125E-01	-2-2054E-01	-2.1286E-01	-2.1258E-C1	-6.4591E-03 -1.9480E-01	-1.83806-01	-2.1245E-01	-2.6087E-01	-2.7796E-C1	
DSBDZ	-3.1289E-16	-6.7279E-03	-1.09C7E-02	-2.5075E-CZ	~1.6502E-03 ~1.4936E-02	-2.3465E-02 -3.8210E-02	-4.5071E-02	-2.4858E-02	-2.8342E-12	
PP	-5.7605E-16	1.7330E-02	2.7681E-02	-3.9806E-C2	-2.1037E-01	-2.1419E-01	-7.9924E-02	-2.5214E-02	-2.5082E-15	
VP	-1.1284E-13	-2.7132E-02	-3.0660E-02	-2.8057E-02	2.8772E-Q1	6.7829E-02	-4.4835E-01	-3.10C4E-01	5.C824E-14	
WP	-2.1124E-21 -5.7605E-16 -1.1284E-13 3.3076E-15 -5.6970E-01 -4.6227E-15	-3.7272E-01	5.9608E-02	1.6279E+C0	2.4798E+00	6.2403E-01	-1.2634E+00	-1.87526+00	-2.0623E+C0	
SBARP	4.62272-15	7.5141E-02	8.39026-02	-1.35A0E-01	~0.44726~41	-0" A340E-OI	-2.00556-01	-0.00216-02	8 80 1 LE _ TO	
			•	ZETA= 6.000	00000E-01					1-10
		1=2	[=3	ZETA= 6.000	1=5	1=6	I=7	I = 8	1=9	1=10
P/ROASTSQ	I=1 4.5099E-02 2.5098E-01	1=2 4=55346-02	[=3 4.6864E-02 2.6081E-01	I=4 4.7534E-02 2.6454E-01	1=5 4.0846E-02 2.2732E-01	1=6 2,5468E-02 1,4174E-01	I=7 1.8513E-02 1.0303E-01	I=8 1.5946E-02 E.8741E-02	1=9 1.5501E-02 8.6267E-02	I=10
P/ROASTSQ	I=1 4.5099E-02 2.5098E-01 4.1390E-04	1=2 4.5534E-02 2.5341E-01 4.1790E-04	1=3 4.6864E-02 2.6081E-01 4.3010E-04	I=4  4.7534E-02 2.6454E-01 4.3625E-04	1=5 4.0846E-02 2.2732E-01 3.7487E-04	1=6 2,5468E-02 1,4174E-01 2,3374E-04	I=7 1.8513E-02 1.0303E-01 1.6990E-04	I=8 1.5946E-02 E.8741E-02 1.4634E-04	1=9 1.5501E-02 8.6267E-02 1.426E-04	1=10
P P/ROASTSQ P/PTINF P/PINF RHO	l=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E+00 2.5405E+00	1=2 4.5534E-02 2.5341E-01 4.1790E-04 4.079E+00 2.5552E+00	1=3 4.6864E-02 2.6081E-01 4.3010E-04 4.1950E+00 2.5980E+00	I=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2591E+00 2.6245E+00	1=5 4.0846E-02 2.2732E-01 3.7487E-04 3.6598E+00 2.3839E+00	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00	I=7 1.8513E-02 1.0303E-01 1.6990E-04 1.6587E+00 1.4235E+00	I=8 1.5946E-02 E.8741E-02 1.4634E-04 1.4287E+00 1.2882E+00	1=9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 1.2638E+00	I =10
P/ROASTSQ P/PTINF P/PINF RHO U	L=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E+00 2.5405E+00 2.3001E+00	1=2 4.5534E-02 2.5341E-01 4.1790E-04 4.0795E+00 2.5552E+00 2.2994E+00	1=3 4.6864E-02 2.6081E-01 4.3010E-04 4.1950E+00 2.5980E+00	I=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2591E+00 2.6245E+00 2.2968F+00	1=5 4.0846E-02 2.2732E-01 3.7487E-04 3.6598E+00 2.3839E+00	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00	I=7 1.8513E-02 1.0303E-01 1.6990E-04 1.6587E+00 1.4235E+00 2.3313E+00	I=8 1.5946E-02 8.8741E-02 1.4634E-04 1.4267E-00 1.2882E-00 2.3495E+00	1=9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 1.2638E+00 2.3448E+00	f=10
P P/ROASTSQ P/P/TINF P/PINF RHO U	1=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E+00 2.5405E+00 -1.3430E-01	1=2 4.5534E-02 2.5341E-01 4.1790E-04 4.0795E+00 2.5552E+00 2.2954E+00 -1.3304E-01 -2.7567E-02	1=3 4.6864E-02 2.6081E-01 4.3010E-04 4.1950E+00 2.5980E+00 2.2974E+00 -1.3462E-01 -3.4626E-02	I=4 4.7534E-02 2.6454E-01 4.3625E-04 4.2551E+00 2.6245E+00 2.2968E+00 -1.3742E-01 5.4269E-04	I=5 4.C846E-C2 2.2732E-01 3.7487E-04 3.6598E+00 2.38398+C0 2.3011E+00 -1.3599E-01	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E-00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3582E-01	I=7  1.8513E-02 1.0303E-01 1.6990E-04 1.6567E+00 2.3313E+00 -1.3077E-01 2.0448E-01	I=8  1.5946E-02  8.8741E-02  1.4634E-04  1.4287E+00  2.3415E+00  -1.4923E-01  1.1357E-01	1=9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 1.2638E+00 2.3448E+00 -1.5564E-01 0.	f=10
P/ROASTSQ P/PTINF P/PINF RHO U	4,5098E-02 2,5098E-01 4,1390E-00 4,0408E+00 2,5405E+00 -1,3430E-01 0 2,2905E+00	1=2 4.5534E-02 2.5341E-01 4.1790E-04 4.0795E+00 2.5552E+00 2.2994E+00 -1.3304E-01 -2.7507E-02 2.2948E+00	1=3 4.6864E-02 2.6081E-01 4.3010E-04 4.1950E+00 2.5980E+00 2.2974E+00 -1.3462E-01 -3.4626E-02 2.2653E+00	I=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2551E+00 2.6245E+00 2.2948E+00 -1.3742E-01 -5.4269E-00 2.2816E+00	1=5 4.0846E-02 2.2732E-01 3.7487E-04 3.6598E+00 2.3839E+00 2.3011E+00 -1.3599E-01 1.3383E-01 2.2823E+00	1=6 2.5468E-02 1.4174E-01 2.33745-04 2.2820E+00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3592E-01 2.3991E+00	I=7  1.8513E-02 1.0303E-01 1.6990E-04 1.6527E+00 2.3313E+00 -1.3077E-01 2.0448E-01 2.3277E+00	I=8  1.5946E-02 8.8741E-02 1.4634E-04 1.4287E+00 2.34455E+00 -1.4923E-01 1.1357E-01 2.3340E+00	1=9 1.5501E-02 8.6257E-02 1.4226E-04 1.3889E+00 1.2638E+00 -1.5564E-01 0. 2.3448E+0	f=10
P P/ROASTSQ P/PTINF P/PINF RHO U V W UC VC	1=1 4,5099E-02 2,5098E-01 4,1390E-00 2,5405E+00 2,3001E+00 -1,3430E-01 0,2001E+00 1,8629E-01 1,8629E-16	1=2 4.5534E-02 2.5341E-01 4.1790E-04 4.0795E+00 2.25552E+00 -1.3304E-01 -2.7567E-02 2.2998E+00 1.9242E-01 5.2365E-02	1=3 4.6864E-02 2.6081E-01 4.3010E-04 4.1950E+00 2.5980E+00 -1.3462E-01 -3.4026E-02 2.2853E+00 2.1127E-01	I=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2551E+00 2.6245E+00 2.2968E+00 -1.3742E-01 -5.4269E-04 2.2816E+00 2.5765E-01 1.5087E-01	1=5 4.C846E-C2 2.2732E-O1 3.748TE-O2 3.6598E+O0 2.3839E-O2 2.3011E+O0 -1.3599E-O1 1.3363E-O1 2.2823E+O0 3.2384E-O1 1.3383E-O1	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3582E-01 2.30975E-01 8.2608E-02	I=7  1.8513E-02 1.0303E-01 1.66990E-04 1.6527E+00 1.4235E+00 2.3313F+00 2.3277E+00 2.6862E-01 2.8187E-02	1=8 1.5946E-02 E.8741E-02 1.4634E-04 1.4247E+00 1.2882E+00 2.34455E-01 2.1357E-01 2.3360E+00 2.4485E-01 3.21C17E-02	1=9 1.5501E-02 8.6267E-02 1.426E-04 1.3889E+00 1.2638E+00 2.3448E+CP -1.5564E-01 0.3377E+C0 2.3924E-C1 1.86409E-11	I=10
P/ROASTSQ P/PTINE P/PINE RHO U V WC	4.5099E-02 2.5098E-01 4.1390E-04 4.0408E+00 2.5405E-00 2.3001E+00 -1.3430E-01 0. 2.2965E-01 3.1952E-16 1.8629E-01	1=2 4.5534E-02 2.534IE-01 4.1790E-04 4.0796E-00 2.5552E-00 2.25552E-00 1.2306E-01 2.7567E-02 1.9242E-01 5.2365E-02	1=3  4.6864E-02 2.6081E-01 4.3010E-04 4.1950E+00 2.5980E+00 2.7974E-00 -1.3462E-01 -3.4026E-02 2.2653E+00 2.1127E-01 1.0977E-01 1.0977E-01	1=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2551E-00 2.6245E-00 2.2968E-00 -1.3742E-01 -5.4269E-04 2.2816E-00 2.5765E-01 2.9411E-01 2.9411E-01 4.8373E-02	1=5 4.C846E-C2 2.2732E-O1 3.7487E-04 3.6598E-00 2.3839E+C0 2.3011E+O0 0.13598E-O1 1.3363E-O1 1.2383E-O1 1.3383E-O1 1.3383E-O1 1.3383E-O1	1=6  2,5468E-02 1,4174E-01 2,3374E-04 2,2820E+00 1,7551E+00 2,3164E+00 2,3164E+00 3,0975E-01 8,2608E-02 2,6317E-01	I=7  1.8513E-02 1.0303E-01 1.6990E-04 1.6597E+00 1.4235E+00 2.33313E+00 2.33313E+00 2.3277E+00 2.6862E-01 5.8187E-02 2.3207E-01	I=8  1.5946E-02 6.8741E-02 1.4634E-04 1.4267E-00 1.2882E-00 2.3415F-00 2.14928-01 1.1357E-01 2.3360E-00 2.4485E-01 3.2107E-02 2.3325E-01	1=9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 2.3448E+07 -1.5564E-01 0.23377E+00 2.39724E-01 1.6409E-11 2.3924E-01	I =10
P/ROASTSQ P/PINE P/PINE P/PINE UU V WC WC	4.5099E-02 2.5098E-01 4.1390E-04 4.0408E+00 2.3001E+00 -1.3430E-01 0.2505E-01 1.8629E-01 0.305E-16 1.8629E-01	1=2 4.5534E-02 2.534E-01 4.179E-04 4.079E-00 2.5552E-00 2.2954E-00 -1.3304E-01 -2.75C7E-02 2.2948E-00 1.9242E-01 5.2355E-02 4.8948E-03 8.9929E-02	1=3 4.6864E-02 2.6081E-01 4.3010E-04 4.1960E+00 2.5980E+00 2.2974E-00 -1.3462E-02 2.2653E-00 2.1127E-01 1.0977E-01 2.0710E-02 2.872E-01 2.0710E-02	1=4  4.7534E-02 2.6454E-01 4.3625E-04 4.3625E-04 2.2968F+00 2.2968F+00 2.2968F+00 2.2968F+00 2.37625E-01 1.5762E-01 1.5007E-01 1.9411E-01 4.8373E-02 2.9159E-01	1=5 4.0846E-C2 2.2732E-O1 3.748TE-O4 3.659E+O0 2.3803E+O0 1.339E+O1 1.3383E-O1 2.2823E-O0 3.2384E-O1 1.3383E-O1 1.3383E-O1 1.3383E-O1 1.3383E-O1 1.3383E-O1	1=6  2,5468E-02 1,4174E-01 2,3374E-04 2,2820E+00 1,7551E+00 2,3164E+00 -1,1578E-01 2,3091E+00 3,0975E-01 8,2608E-02 2,6317E-01 1,8306E-01 1,7318E-01	1=7  1.8513E-02 1.0303E-01 1.6990E-04 1.6597E-00 2.3313F-00 -1.307FE-01 2.0448E-01 2.3277E-00 5.8187E-02 2.32C7E-01 1.4726E-01 1.4726E-01	I=8  1.5946E-02 e.8741E-02 1.4634E-04 1.4267E-00 1.2882E+00 2.3415E-00 1.4923E-01 1.1357E-01 2.3360E-00 3.2107E-02 2.3325E-01 e.1063E-02	1=9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 1.2538E+00 2.3448E+00 -1.5564E-01 2.3924E-01 1.3924E-01 7.2392E-12 7.2392E-12	I =10
P P/ROASTSQ P/PTINE P/PINE RHO UC WC WC WC WX VY	1=1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5001E-00 2.3001E-00 2.3001E-00 2.3001E-01 3.130E-01 3.1952E-16 1.8629E-01 1.8629E-01 2.2965E+00	1=2 4.5534E-02 2.534E-04 4.179E-04 4.079E+00 2.2552E+00 2.254E+00 1.3304E-01 -2.7567E-02 1.937E-01 1.937E-01 1.937E-01 1.937E-01 1.937E-01 1.937E-01	1=3 4.6864E-02 2.6081E-01 4.3010E-04 4.1960E-00 2.5980E+00 2.2974E-00 2.3462E-01 2.4026E-02 2.263E-00 2.1127E-01 2.0010E-02 2.8724E-01 2.0010E-02 2.8938E-01 -1.4428E-01 -1.2483E+01	1-4 4.71346-02 2.64546-01 4.36256-04 4.25916-00 2.62456-00 2.62456-00 2.29486-00 -1.37426-01 2.29416-00 2.57656-01 1.50076-01 4.83736-02 2.91596-01 -6.17606-02 2.28166-00	1=5 4.C846E-C2 2.2732E-01 3.748TE-04 3.6598E+00 2.3811E+00 2.3819E+01 1.3898E-01 2.3838E-01 1.3393E-01 1.3393E-01 1.3393E-01 1.3393E-01 1.3393E-01 1.3393E-01	1=6  2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.8306E-01 1.7318E-01 2.3091E-02 2.637FE-01	1=7  1.8513E-02 1.0303E-01 1.6990E-04 1.6587E+00 2.3313E+00 2.3313E+00 2.644EE-01 2.3277E-01 2.644E2-01 2.3277E-01 2.6472E-01 2.4772E-02 2.6778E-01 2.3277E+00	I=8  1.5946E-02 e.8741E-02 1.4634E-04 1.4267E-00 1.2882E+00 2.3415E+00 1.1357E-01 2.3360E-00 3.2107E-02 2.4485E-01 6.1093E-02 1.6418E-02 2.4640E-01 2.3366E+00	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-00 1.2638E-00 0.23448F-07 0.23377E-00 2.3924E-01 7.2392E-12 2.3924E-11 2.3924E-11 2.3924E-12	I=10
P P/ROASTSQ P/PTINE P/PTINE R/PIQ UC UC UC WC	1=1 4.5099E-02 2.5099E-04 4.1390E-04 4.0408E+00 2.5405E+00 2.3001E+00 -1.3430E-01 3.1952E-16 1.8629E-01 0. -1.8629E-01 2.2965E+00	1=2 4.5534E-02 2.534E-01 4.1790E-04 4.0795E-00 2.5552E+00 2.5552E+00 2.5757E-02 1.9242E-01 1.9242E-01 1.9242E-01 1.9242E-01 1.937E-01 2.2548E+00 2.2548E+00 2.2548E-00 2.2548E-00 2.2548E-00 2.2548E-00 2.2548E-00	1-3 4.6864E-02 2.6081E-01 4.3010E-04 4.1950E-00 2.5980E-00 2.5980E-00 2.13462E-01 2.4026E-02 2.2653E+00 2.1127E-01 2.3724E-01 2.0010E-02 1.8938E-01 2.4025E-02 2.4053E-00 4.7291E-00	1=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2551E-00 2.6245E-02 2.2968F-00 2.3742E-01 -1.3742E-01 -1.3742E-01 -2.411E-01 2.411E-01	1=5 4.C846E-C2 2.2732E-O1 3.749TE-O4 3.659E-O0 2.3011E-O0 0.1.3599E-O1 1.3368E-O1 2.2623E-O0 3.2346E-O1 1.3368E-O1 3.2346E-O1 1.3368E-O1 2.2623E-O0 3.2346E-O1 2.2623E-O0 3.2346E-O1	1=6  2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.7318E-01 1.7318E-01 2.6977E-01 2.3091E+00 4.2899E+00	1=7  1.8513E-02 1.0303E-01 1.6990E-04 1.6587E+00 2.3333E+00 2.3333E+00 2.6448E-01 2.0327TE+00 2.6862E-01 1.4726E-01 6.1918E-02 2.6778E-01 2.137TE+00	1=8  1.5946E-02 e.8741E-02 1.4634E-04 1.4227E-00 2.3415F-00 2.4415F-01 2.3360E-00 2.4485E-01 1.2107E-02 2.3325E-01 2.103E-02 2.4648E-01 2.3360E-00 2.469E-01 2.3360E-00	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 2.3448E+01 0.25387E+00 2.3924E-01 2.3924E-01 2.3924E-02 2.3937TE+00 2.3937TE+00 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01	1-10
P P/ROASYSQ P/PTINE P/PINE RHO UC VC WC VC WC VC VC VX VY VY VZ VY VY VZ VY VX VY VX VX VY VX VX VX VX VX VX VX VX VX VX VX VX VX	1=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E+00 2.5405E+00 1.3430E-01 0.22965E+00 1.8629E-01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	1=2 4.5534E-02 2.534E-01 4.1790E-04 4.0795E-00 2.5552E-00 2.5954E-00 1.3304E-01 2.75767E-02 2.2948E-00 1.924E-01 1.924E-01 2.9948E-03 6.9020E-02 1.7845E-01 2.2948E-00 2.2515E-00 6.5557E-01 3.5293E-01	1-3 4.6864E-02 2.6081E-01 4.3010E-04 4.1906+00 2.5980E+00 2.5980E+00 2.7974E+00 2.1127E-01 2.0010E-02 1.8928E-01 2.4050E-02 1.8928E-01 2.4050E-02 4.8938E-01 2.4050E-02 4.8938E-01 2.4050E-02 4.8938E-01 2.4050E-02 4.640E+01	1=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2551E-00 2.62455E-01 2.6245E-02 2.7268F-00 2.75765E-01 2.9411E-01	1=5 4_C846E-C2 2_273E-O1 3_748TE-O4 3_6598E-O0 2_3011F+O0 1_3599E-O1 1_3363E-O1 2_2823E+O0 3_2384E-O1 1_3383E-O1 3_2384E-O1 1_3383E-O1 2_2823E+O0 6_6677E-O1 1_1398E-O1 1_2384E-O1 1_2384E-	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 3.0975E-01 2.3582E-01 2.3582E-01 2.3091E+00 3.0975E-01 2.3091E+00 4.2899E+00 4.2899E+00 6.3355E+01 1.7318E-01	1-7  1.8513E-02 1.0303E-01 1.6990E-04 1.6567E-00 1.4235E-00 2.3333E-60 2.3377E-01 2.0448E-01 2.3277E-00 2.6862E-01 1.4726E-01 6.1918E-02 2.3277E-00 6.12277E-00 6.3440E-01 1.2277E+00 6.3440E-01 1.431E-01	1=8  1.5946E-02 1.4634E-04 1.4267E-00 1.2882E-00 2.3415F-00 2.1473E-01 1.1371E-01 2.3360E-00 2.4468E-01 2.3360E-00 2.3460E-01 2.3360E-00 2.3460E-01 2.3360E-00	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 2.3448E+07 0.2.3377E+00 2.3924E-01 1.8409E-11 2.3924E-02 2.3377E+00 0.4072E-02 0.4072E-02 0.4072E-03 0.4072E-03 0.4072E-03 0.4072E-03 0.4072E-03 0.4072E-03	1=10
P P/ROASYSQ P/PTINE P/PTINE RHO U V W WC C WC V V V V V V V V V V V V V V	4_5099E-02 2_5099E-01 4_1390E-04 4_0408E+00 2_5405E+00 2_5405E+00 1_3430E-01 0_22965E+00 1_8629E-01 0_0 0_0 0_18629E-01 0_0 0_0 0_0 0_18629E-01 0_0 0_0 0_0 0_18629E-01 0_0 0_0 0_0 0_18629E-01	1=2 4.5534E-02 2.534E-01 4.1790E-04 4.0795E-00 2.2994E-00 1.3304E-01 -2.7507E-02 1.9394E-01 1.242E-01 1.242E-01 1.242E-01 1.242E-01 1.242E-01 2.2948E-00 2.2948E-00 2.2948E-00 2.2948E-03 3.523E-02 2.3948E-03 3.523E-03	1-3 4.6864E-02 2.6081E-01 4.3010E-04 4.1960E-00 2.5980E-00 2.5980E-00 2.7974E-00 2.1127E-01 2.0010E-02 1.8928E-01 2.4683E-00 4.7291E-00 6.440E-01 6.791E-01 6.791E-01	1=4  4.7534E-02 2.6454E-01 4.3625E-04 4.3625E-04 4.2551E-00 2.6245E-01 2.6245E-01 2.768E-01 2.768E-01 2.741E-01	1=5 4.C846E-C2 2.2732E-O1 3.748TE-O4 3.659BE-O0 2.3011F-O0 1.3599E-O1 1.3383E-O1 2.2623E-O0 3.2384E-O1 1.3383E-O1 3.2384E-O1 1.3383E-O1 2.2623E-O0 6.6677E-O1 1.1350E+O0 6.6677E-O1 1.1450E+O0 6.6677E-O1 6.750E-O1 6.750E-O	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3592E-01 2.3591E+00 1.25508E-02 2.6317E-01 1.8306E-01 1.7318E-01 2.3591E+00 4.2890E+00 4.2890E+00 4.2890E+00 4.3355E+01	1-7  1.85 13E-02 1.0303E-01 1.6990E-04 1.6597E-00 1.4235E+00 -1.307TE-01 2.327TE+00 2.6862E-01 5.8187E-02 2.6778E-01 1.4726E-01 1.4726E-01 1.2327TE+00 1.227TE+00 1.2327TE+01 1.4736E-01 1.4716E-01 1.4716E-01 1.4716E-01 1.4318E-01 1.4313E-01 1.4313E-01 1.4313E-01	1-8 1.5946E-02 1.4634E-04 1.422F-04 1.422F-04 1.422F-04 1.132F-01 2.3326E-00 2.4465E-01 3.21C1E-02 2.460E-01 4.023E-01 4.023E-01 4.024E-01 2.3326E-01 2.3326E-01 2.3326E-01 2.3326E-01 2.3326E-01 2.3326E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-00 1.2638E-00 2.3448F-07 -1.5564E-01 0. 2.3377E+00 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.397E-01 2.397E-01 2.397E-01	I <b>-10</b>
P. P	4_5099E-02 2_5099E-01 4_1390E-04 4_0408E+00 2_5405E+00 2_5405E+00 1_3430E-01 0_22965E+00 1_8629E-01 0_0 0_0 0_18629E-01 0_0 0_0 0_0 0_18629E-01 0_0 0_0 0_0 0_18629E-01 0_0 0_0 0_0 0_18629E-01	1=2 4.5534E-02 2.534E-01 4.1790E-04 4.0795E-00 2.2994E-00 1.3304E-01 -2.7507E-02 1.9394E-01 1.242E-01 1.242E-01 1.242E-01 1.242E-01 1.242E-01 2.2948E-00 2.2948E-00 2.2948E-00 2.2948E-03 3.523E-02 2.3948E-03 3.523E-03	1-3 4.6864E-02 2.6081E-01 4.3010E-04 4.1960E-00 2.5980E-00 2.5980E-00 2.7974E-00 2.1127E-01 2.0010E-02 1.8928E-01 2.4683E-00 4.7291E-00 6.440E-01 6.791E-01 6.791E-01	1=4  4.7534E-02 2.6454E-01 4.3625E-04 4.3625E-04 4.2551E-00 2.6245E-01 2.6245E-01 2.768E-01 2.768E-01 2.741E-01	1=5 4.C846E-C2 2.2732E-O1 3.748TE-O4 3.659BE-O0 2.3011F-O0 1.3599E-O1 1.3383E-O1 2.2623E-O0 3.2384E-O1 1.3383E-O1 3.2384E-O1 1.3383E-O1 2.2623E-O0 6.6677E-O1 1.1350E+O0 6.6677E-O1 1.1450E+O0 6.6677E-O1 6.750E-O1 6.750E-O	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 -1.1578E-01 2.35091E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.8306E-01 2.3901E+00 4.2890E+00 4.2890E+00 4.2890E+00 4.2874E-01 4.9331E+00 4.2746E-01 4.8746E-01 5.8441E-01	1-7  1.85 13E-02 1.0303E-01 1.6990E-04 1.6597E-00 1.4235E+00 -1.307TE-01 2.323TE-00 -1.307TE-01 2.6462E-01 5.8187E-02 2.6778E-01 1.4726E-01 1.4726E-01 1.4726E-01 1.4726E-01 1.4736E-01 1.4731E-01 7.4313E-01 7.4313E-01 7.4313E-01	1-8 1-5946E-02 1-4634E-04 1-427E-04 1-427E-04 1-427E-04 1-127E-04 1-137E-01 2-3360E-00 3-217E-02 2-4465E-01 3-217E-02 2-460E-01 3-217E-02 2-460E-01 2-337E-01 1-337E-01 1-337E-01 1-337E-01 1-337E-01 1-337E-01 1-337E-01 1-337E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-06 1.2638E-00 0.2,3448F-07 0.2,337E-02 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.397E-00 6.9672E-10 6.4157E-01	1-10
P P/ROASYSQ P/PTINE P/PINE RHO UC VC WC VC WC VC VC VX VY VY VZ VY VY VZ VY VX VY VX VX VY VX VX VX VX VX VX VX VX VX VX VX VX VX	1=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E+00 2.5405E+00 1.3430E-01 0.22965E+00 1.8629E-01 2.2965E+00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1=2 4.5534E-02 2.534E-01 4.1790E-04 4.0795E-00 2.5552E-00 2.5954E-00 1.3304E-01 1.75767E-02 2.2948E-00 1.924E-01 1.924E-01 2.2948E-00 2.2948E-00 2.2948E-00 2.2948E-00 3.593E-01 2.948E-01 3.5293E-01 3.5293E-01 3.5293E-01	1-3 4.6864E-02 2.6081E-01 4.3010E-04 4.1900E-00 2.5980E-00 2.5980E-00 2.7974E-00 2.1127E-01 2.0010E-02 1.8928E-01 2.4050E-02 1.8928E-01 2.4050E-02 1.8928E-01 2.4050E-02 1.8928E-01 2.4050E-02 1.8928E-01 2.4050E-02 1.6928E-00 2.6636E-00 6.6406E-01 6.7919E-01 6.7919E-01 6.7919E-01	1=4  4.7534E-02 2.6454E-01 4.3625E-04 4.2551E-00 2.62455E-01 2.6245E-02 2.7268F-00 2.5765E-01 2.9411E-01	1=5 4_C846E-C2 2_273E-O1 3_748TE-O4 3_6558E-O0 2_3011F+O0 1_3599E-O1 1_3363E-O1 2_2823E+O0 3_2384E-O1 1_3363E-O1 3_2384E-O1 1_3363E-O1 1_3363E-O1 1_2384E-O1 1_3363E-O1 1_3363E-O1 1_3363E-O1 1_3363E-O1 1_3363E-O1 1_3364E-O1 1_3364E-O1 1_3364E-O1 1_3364E-O1 1_3364E-O1 1_3364E-O1 1_3364E-O1 1_3364E-O1 1_3364E-O1 1_3465E-C0	1=6  2.54.08E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 3.0975E-01 2.3582E-01 2.3582E-01 1.7318E-01 1.7318E-01 2.6977E-01 2.3091E+00 6.3355E+01 1.7318E-01 1.7318E-01 1.7318E-01 1.7318E-01 2.4977E-01 2.3991E+00 6.3355E+01 1.0331E+00 6.8347E-01 5.8401E-01 5.8401E-01 5.8401E-01 5.8401E-01	1-7  1.8513E-02 1.0303E-01 1.6990E-04 1.6587E-00 2.3333E+00 2.3333E+00 2.648E-01 2.047E-01 2.0448E-02 2.327TE-00 2.6198E-02 2.327TE-00 6.1918E-02 2.4778E-01 7.4313E-01 7.4313E-01 7.4313E-01 7.4313E-01 7.4313E-01	1-8 1.5946E-02 2.88741E-02 1.4634E-04 1.4227E-00 2.34155F-00 2.4425E-01 1.1357E-01 2.3360E-00 2.4468E-01 2.3360E-00 2.4640E-01 2.3360E-00 2.360E-00 2.360E-00 2.360E-00 2.3715E-01 2.3716E-01 2.3716E-01 2.3716E-01	1-9 1.5501E-02 8.6257E-02 1.4226E-04 1.3889E+00 2.3448E+00 2.3448E+00 2.3924E-C1 2.3937E-01 9.6338E-01 9.6338E-01	I=10
PAROASTSQ PARINE PARINE PARINE RNO U VC WC VC VC VC VY VI	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.53405E-00 2.53405E-01 0.25405E-01 1.3493E-01 1.3493E-01 0.0 0.0 8.5362E-01	1-2 4.5534E-02 2.534E-02 4.1790E-04 4.0796E-00 2.5552E-00 2.5552E-00 1.2757E-02 1.3304E-01 1.2757E-02 1.937E-01 2.2948E-00 2.2948E-00 2.2948E-00 2.2948E-01 3.5238E-01 3.5238E-01 3.5238E-01 3.5238E-01 6.1078E-01 6.1078E-01	1-3  4.6864E-02 2.6081E-01 4.3010E-04 4.1900E-00 2.5980E-00 2.5980E-00 2.7974E-00 2.13462E-01 2.2653E-00 2.1127E-01 2.3724E-01 2.60510E-02 1.8938E-01 2.4056E-02 4.6406E-01 6.7291E-00 6.7401E-01 6.719E-01 6.719E-01 6.719E-01 6.719E-01 6.729E-01 6.7401E-01	1-4 4.75346-02 2.64546-01 4.36256-04 4.25516-00 2.62456-02 2.29681-00 0.1.37428-01 -1.37428-01 -1.37428-01 2.94116-01	1-5 4.0846E-02 2.2732E-01 3.7487E-04 3.6598E-00 2.3839E-02 2.3839E-01 1.3363E-01 1.3363E-01 1.3363E-01 2.2823E-00 3.2384E-01 1.3368E-01 2.2823E-00 6.6677E-01 1.1395E-00 6.6677E-01 1.1395E-00 2.2823E-00 2.2944E-11 5.3452E-02 2.2448E-01 5.2354E+00	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 2.3164E+00 3.0975E-01 1.3582E-01 1.3582E-01 1.3382E-01 1.7318E-01 1.7318E-01 1.7318E-01 1.7318E-01 1.7318E-01 2.4977E-01 2.3091E+00 6.3355E+01 0.8357E-01 5.8461E-01 5.8461E-01 5.8461E-01 5.8461E-01 6.8597E-00	1-7  1.8513E-02  1.0303E-01  1.6990E-04  1.652FE-00  1.4235E-00  2.3313E-00  2.648E-01  2.3277E-00  2.6662E-01  1.4726E-01  6.1918E-02  2.3277E-00  6.13277E-00  8.3440E+01  7.4313E-01  5.4117E-01  6.4758E-02  -2.1038E-01  6.0581E+00	1-8 1.5946E-02 2.8741E-02 1.4634E-04 1.427E-06 1.2882E-00 2.3415F-00 2.3415F-00 2.3360E-00 2.4468E-01 2.3360E-00 2.3360E-00 2.3360E-00 2.3360E-00 2.3360E-00 2.337E-01 2.378E-01 2.378E-01 2.7175E-01 9.3721E-01 9.3721E-01 9.3721E-01 9.3721E-01 9.3721E-01 9.3721E-01 9.3721E-01 9.3721E-01 1.57178E-02	1-9 1.5501E-02 8.6207E-02 1.4226E-04 1.3889E-00 1.2538E-00 2.3448E-07 0. 2.3377E-00 2.3974E-01 1.8409E-11 2.3974E-01 2.39	I=10
P P P P P P P P P P P P P P P P P P P	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.53405E-00 2.53405E-01 0.25405E-01 0.3495E-01 0.3495E-01 0.0629E-01 0.0629E-01 0.0629E-01 0.07498E-01	1=2 4.5534E-02 2.534E-01 4.1790E-04 4.0796E-00 2.5552E+00 2.5552E+00 2.5552E+00 2.5552E+00 2.2948E+00 1.9242E-01 1.9242E-01 1.9242E-01 2.2948E+00 2.2948E+00 2.2948E+00 2.2958E-02 1.7485E-01 2.2948E-00 2.2958E-01 2.2948E-00 6.5557E-01 3.5238E-01 3.5238E-01 3.5238E-01 3.5238E-01 6.1078E506 6.1818E500 6.1818E500 6.1818E500	1-3  4.6864E-02 2.6081E-01 4.3010E-04 4.1900E-00 2.5980E-00 2.5980E-00 2.7974E-00 2.13462E-01 2.2653E-00 2.1127E-01 2.3724E-01 2.6010E-02 1.8938E-01 2.4010E-02 1.8938E-01 2.4010E-02 1.6448E-01 2.2653E-00 6.4406E-01 6.791E-01 6.719E-01	1-4 4.75346-02 2.64546-01 4.36256-04 4.25516-00 2.62456-02 2.29681-00 0.1.37428-01 -1.37428-01 -1.37428-01 2.94116-01 2.9	1-5 4.C846E-C2 2.2732E-01 3.7487E-04 3.6598E-00 2.3839E-02 2.3839E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3364E-01 1.3364E-01 1.3364E-01 2.2823E-00 6.6677E-01 1.1350E+00 6.6677E-01 1.1350E+00 2.2744E-11 5.3452E-C2 2.2448E-01 5.2354E+00 6.3196E+00 6.3196E	1=6  2.5468E-02  1.4174E-01  2.3374E-04  2.2820E+00  1.7551E+00  2.3164E+00  2.3164E+00  3.0975E-01  1.3582E-01  1.3582E-01  1.338E-01  1.7318E-01  2.3091E+00  6.3375E-01  1.7318E-01  2.40977E-01  2.3091E+00  6.3355E+01  5.8461E-01  5.8461E-01  5.8461E-01  6.8357E-04  6.8357E-04  6.8357E-04  6.8357E-07  7.8131E-01	1-7  1.8513E-02 1.0303E-01 1.6990E-04 1.652FE-00 1.4235E-00 2.3313E-00 2.648E-01 2.3277E-00 2.6662E-01 1.4726E-01 6.1918E-02 2.3277E-00 6.1918E-02 2.4778E-01 2.4778E-01 2.4739E-01 2.4739E-01 6.4758E-02 2.4778E-00 6.3440E+01 7.4313E-01 5.4117E-01 6.45818E-02 2.0738E-01 7.3239E-01 8.2935E-01 7.3239E-01 8.2935E-01 7.3239E-01 8.2935E-01 7.3239E-01 8.2935E-01 7.3239E-01	1-8 1.5946E-02 2.8741E-02 1.4634E-04 1.4267E-06 1.2882E-00 2.3415F-00 2.3415F-00 2.3426-01 1.337E-01 1.337E-01 1.3217E-02 2.3325E-01 2.3360E-00 2.4640E-01 2.3360E-00 2.3460E-01 2.3360E-00 2.3460E-01 2.371E-01 1.7175E-01 1.7175E-01 1.7175E-01 1.7175E-01 2.737E-01 1.7175E-01 2.737E-01 1.7175E-01 2.737E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 2.3448E+07 -1.5564E-01 0.23377E+00 2.3974E-01 1.8409E-11 2.3924E-01 2.3974E-01 8.4157E-01 8.4157E-01 8.4157E-01 9.6338E-01 9.6338E-01 9.6338E-01 9.63880E-01 1.8806E-01 1.6106E-00 7.6018E+00	I=10
P. P	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5001E-00 2.3001E-00 2.3001E-00 2.3001E-00 2.3001E-00 1.3430E-01 3.430E-01 3.430E-01 3.629E-01 2.2965E+00 6.5362E-01 0.0 1.3496E-01 3.3864E-01 6.1952E-01 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00 6.1952E-00	1-2 4.55346-02 2.5341E-01 4.1790E-04 4.0795E-00 2.5552E-00 2.2994E-00 2.2994E-00 2.2994E-00 2.2994E-00 2.2994E-00 2.2948E-00 3.6498E-01 6.1078E-00	1-3  1-3  1-3  1-3  1-3  1-3  1-3  1-3	1-4 4.71346-02 2.64546-01 4.36256-04 4.25916-00 2.62456-00 2.62456-00 2.29468-00 -1.37426-01 2.57656-01 1.50676-01 4.363136-02 2.91596-01 4.363136-02 2.91596-01 4.363136-02 2.91596-01 4.4677606-02 2.91596-01 4.47776-01 2.45156-00 3.46426-01 4.47776-01 2.45956-02 3.465626-01 7.34006-00 6.12536-00 3.656226-01 7.34006-00 3.656226-01 7.381006-02	1-5 4.C846E-C2 2.2732E-01 3.6598E+00 2.3639E+00 2.3639E+00 2.3011F+00 -1.3599E-01 2.2823E-00 1.3363E-01 1.3568E-00 2.5764E-11 5.3452E-C2 2.5448E-02 2.5744E-10 5.220E-01 6.3196E+00 5.220E-01 6.3196E+00 5.220E-01 6.3196E+00	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 1.7551E+00 2.3164E+00 -1.1578E-01 2.35091E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.8306E-01 1.7318E-01 2.3091E+00 4.2890E+00 4.2890E+00 4.2890E+00 4.3355E+01 1.0331E+00 4.2746E-01 3.5790E-02 2.1153E-01 8.0859E+00 7.8131E-01 3.7481E-02	1-7  1.85 13E-02 1.0303E-01 1.6990E-04 1.6597E-00 1.4235E-00 1.307TE-01 2.3327TE-00 2.6862E-01 5.8187E-02 2.6778E-01 1.4726E-01 1.4726E-01 7.4313E-01 7.4313E-01 7.4313E-01 4.9776E-02 7.3239E-01 4.9776E-02 7.3239E-01 4.9776E-02 7.3239E-01 4.9776E-02 7.3239E-01 1.729E-02	1-8 1-5946E-02 1-4634E-04 1-422F-04 1-422F-01 1-1357E-01 2-3415F-00 -1-4923E-01 2-3326E-00 3-2121F-02 2-4465E-01 3-2121F-02 2-460E-01 3-2121F-02 2-460E-01 3-2121F-02 2-460E-01 3-372E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-06 1.2638E-00 0.2.3448E-07 0.2.3377E-02 2.3377E-02 1.86409E-11 2.3924E-01 2.3924E-01 2.3924F-01 2.3924F-01 2.397E-02 6.407E-10 6.4157E-01 6.5318E-11 9.6338E-01 6.2659E-02 6.16860E-01 6.1006E-00 5.0346E-01	1-10
P. P	1=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5001E+00 1.38430E-01 2.2965E+00 1.8829E-01 2.2965E+00 0.6.53629E-01 0.7.3498E-01 7.3498E-01 7.3498E-01 7.3498E-01 7.3498E-01 7.3498E-01 7.3498E-01 7.3498E-01 7.3498E-01	1=2 4.5534E-02 2.534E-01 4.1790E-04 4.0795E-00 2.5552E+00 2.5552E+00 2.5552E+00 2.5552E+00 2.2948E+00 1.9242E-01 1.9242E-01 2.2948E+00 2.2948E+00 2.2948E+00 2.2948E+00 2.2948E+00 2.2948E+00 2.2958E-02 1.7645E-01 2.2948E-00 6.5557E-01 3.5293E-01	1-3  1-3  1-6864E-02  2-6081E-01  4-3010E-04  4-1950E-00  2-5980E-00  2-2974E-90  2-374E-90  2-13462E-01  2-077E-01  1-0977E-01  2-0700E-02  2-853E-00  4-7291E-00  4-7291E-00  4-7291E-00  4-7291E-00  4-740E-01  6-4759E-01  2-4873E-01	1-4 4.7346-02 2.64546-01 4.36256-04 4.25916-00 2.62456-00 2.62456-00 2.62456-00 2.52666-00 2.52666-00 2.52666-00 2.51656-01 4.337462-01 4.33736-02 2.91596-01 4.33736-02 2.91596-01 4.43766-00 7.28316-00 7.383676-01 7.34006-00 6.12536-00 7.82556-01	1-5 4.C846E-C2 2.2732E-01 3.748FE-04 3.6598E+00 2.3819F+00 2.3819F+00 1.3599E-01 2.2823E-01 2.2823E-01 1.3383E-01 1.3585E-02 2.5746E-11 5.3452E-02 2.5448E-02 2.5746E-11 5.3452E-02 2.5448E-01 5.220E-01 5.2354E+00 5.2220E-01 8.1176E-02 1.2104E-02	1=6 2,5468E-02 1,4174E-01 2,3374E-04 2,2820E-00 1,7551E+00 2,3164E+00 -1,1578E-01 2,3091E+00 8,268E-02 1,23091E+00 1,23502E-01 1,8300E-01 1,8300E-01 1,8300E-01 1,8310E-01 1,931E-00 4,2890E+00 4,2890E+00 4,2890E+00 4,2890E+00 4,2890E+00 4,2890E+00 4,2890E+00 4,2890E+00 4,2746E-01 3,5790E-02 4,585E-01 8,0859E+00 7,8131E-01 8,0859E+00 7,8131E-01 3,746E-02 1,1587E-02	1-7  1.85 13E-02 1.0303E-01 1.6990E-04 1.6597E-00 1.4235E+00 1.307TE-01 2.3327TE-00 15.8187E-02 2.6472E-01 15.8187E-02 2.6778E-01 1.4726E-01 1.4313E-01 1.4333E-01 1.4333E-01	1-8 1-5946E-02 1-4634E-04 1-422F-04 1-422F-04 1-123F-04 1-135F-01 2-345F-00 2-448F-01 3-212F-02 2-448F-01 3-212F-02 2-448F-01 3-212F-02 2-448F-01 3-212F-02 2-448F-01 3-212F-02 2-448F-01 3-212F-02 2-448F-01 2-336E-01 2-337E-01 3-1717E-01 5-0178E-01 5-0178E-01 5-0178E-01 5-0178E-01 5-0178E-01 5-0178E-01	1-9 1.5501E-02 1.4226E-04 1.2889E-00 1.2838E-00 1.2838E-00 0.2.3448E-07 0.2.337E-02 1.8409E-11 2.3924E-01 2.3924E-11 2.3924E-11 2.3924E-11 2.3924E-11 2.3924E-11 2.3924E-11 2.3924E-11 2.3924E-11 2.3924E-11 2.397E-00 6.407E-10 6.5338E-01 6.4157E-00 6.407E-10 6.5338E-01 6.4589E-02 6.7608E-00 6.7608E-00 6.7608E-00	1-10
PYROASTSQ PYRTINE PYRINE RIO UV VC NCC NCC NCC NCC NCC NCC NCC NCC NCC	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.39405E-00 2.39405E-01 0.29405E-01 1.3849E-01 1.3829E-01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	1-2 4.55346-02 2.53416-01 4.17908-04 4.07968-00 2.55526-00 2.55526-00 2.75676-02 1.33048-01 2.757676-02 1.9326-01 1.9326-01 1.9326-01 2.29488-00 2.22158-00 2.22158-00 2.22158-00 3.52338-01 3.52338-01 3.52338-01 3.52338-01 3.52338-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01 3.52388-01	1-3  4.6864E-02 2.6081E-01 4.3010E-04 4.1900E-00 2.5980E-00 2.5980E-00 2.13462E-01 3.4028E-02 2.2653E-00 2.1127E-01 2.3724E-01 1.0977E-02 2.853E-00 4.6406E-01 6.7919E-01 6.7919E-02 7.823E-01 7.823E-01 7.823E-01 7.8233E-01	1-4  4.75346-02  2.64546-01  4.36256-04  4.25716-00  2.29081-00  2.29081-00  2.29081-00  2.37656-01  2.3416-01  2.3416-01  2.3416-01  2.3416-01  2.3416-01  3.433736-01  3.43676-01  -4.470	1-5 4.C846E-C2 2.2732E-01 3.7487E-04 3.6598E-00 2.3839E-02 2.3839E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3364E-01 1.3364E-01 1.3364E-01 2.2823E-00 6.6677E-01 1.1350E+00 6.6677E-01 1.1350E+00 6.677E-01 1.1459E-02 2.2448E-01 5.3452E-02 2.2448E-01 5.3452E-02 2.2448E-01 5.3452E-02 2.2448E-01 6.3196E+00 6.336F+00 6.33	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E+00 2.3164E+00 2.3164E+00 3.0975E-01 1.3582E-01 1.3582E-01 1.3382E-01 1.7318E-01 2.3091E+00 6.3375E-01 1.7318E-01 2.6977E-01 2.3091E+00 6.3375E-01 6.8367E-02 2.6375E-01 6.848E-02 2.1153E-01 6.848E-03 7.848E-03 7.848E-03 7.848E-03 7.848E-03 7.848E-03 7.848E-03	1-7  1.8513E-02 1.0303E-01 1.6990E-04 1.652FE-00 1.4235E-00 2.3313E-00 2.648E-01 2.3277E-00 2.6662E-01 1.4726E-01 6.1918E-02 2.3277E-00 6.1918E-02 2.4778E-01 2.4778E-01 2.4778E-01 6.4758E-02 6.478E-01 6.4758E-02 6.478E-02 6.4718E-01 1.472E-02 6.4710E-01 1.1729E-02 6.4710E-01 1.1729E-02 6.4710E-01	1-8 1.5946E-02 2.8741E-02 1.4634E-04 1.427E-06 1.4822E-00 2.3415F-00 2.3415F-00 2.4485E-01 1.337E-01 2.3360E-00 2.4468E-01 2.3360E-00 2.460E-01 2.3360E-00 2.3560E-01 2.372E-01 1.7175E-01 9.3772E-01 9.3772E-01 9.3772E-01 9.3772E-01 9.3772E-01 9.372E-01 9.372E-02 9.9441E-01 9.441E-01 9.441E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 2.3448E+07 -1.5564E-01 0. 2.3377E+00 2.3377E+00 2.3924E-01 7.2992E-12 7.28427E-11 8.4157E-01 8.4157E-01 8.4157E-01 6.5318E-11 -8.5318E-11	I=10
P P P P P P P P P P P P P P P P P P P	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5001E+00 0.25001E+00 1.5829E-01 0.25205E-01 0.0629E-01 0.07 0.08.5362E-01 0.08.5362E-01 0.09.5000000000000000000000000000000000	1-2 4.5534E-02 2.534E-01 4.1790E-04 4.0796E-00 2.5552E-00 2.5552E-00 2.5757E-02 1.9304E-01 1.2757E-02 1.9305E-01 1.2948E-00 2.2948E-00 2.2948E-00 2.2948E-00 2.2958E-02 1.7845E-01 2.2948E-00 3.5233E-01 2.2948E-00 4.5557E-01 2.2948E-00 6.5557E-01 2.2948E-00 6.5557E-01 2.2948E-00 6.5557E-01 2.2948E-00 6.1018E-00 6.1018E-00 6.1048E-00 6.1048E-00 6.1048E-00 6.1048E-00 6.1048E-00 6.1048E-01 9.2658E-02 1.9318E-61	1-3  4.6864E-02 2.6081E-01 4.1910E-04 4.1910E-00 2.5980E-00 2.5980E-00 2.13462E-01 3.4028E-02 2.2653E-00 2.1127E-01 2.3724E-01 1.6977E-01 2.3724E-01 2.6010E-02 1.8938E-01 2.4919E-02 4.7291E-00 4.6406E-01 6.7191E-01 6.7191E-01 6.7401E-01 6.7401E-01 6.741E-01	1-4  4.75346-02  2.64546-01  4.3625E-04  4.25716-00  2.62456-01  2.29081-00  1.37428-01  2.29081-00  2.57656-01  2.94116-01  2.94116-01  2.94116-01  2.94116-01  2.94116-01  2.94116-01  2.94116-01  2.94116-01  2.94116-01  2.94116-01  3.83678-01  -4.47878-01  2.4798-01  2.4798-01  2.4598-01  3.6528-01  5.81808-02  7.8235E-01  9.1107E-06  9.1107E-06  9.1107E-06  7.75358-03	1-5 4.C846E-C2 2.2732E-01 3.748TE-04 3.6598E-00 2.3839E-C0 2.3839E-C1 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3363E-01 1.3364E-01 1.3364E-01 1.3364E-01 1.3364E-01 2.2823E-00 6.6677E-01 1.1350E+00 6.6677E-01 5.3452E-02 2.2448E-01 5.3452E-02 2.2448E-01 5.3452E-02 2.2448E-01 6.363E-01 6.363E-01 6.363E-01 6.363E-01 6.363E-01 6.363E-01 6.363E-01 6.3654E-04 6.3764E-01	1=6  2.5468E-02 1.4174E-01 2.3374E-04 2.23274E-04 2.3314E-00 2.3144E+00 1.7551E+00 2.3164E+00 3.0975E-01 1.3582E-01 1.3582E-01 1.3382E-01 1.7318E-01 1.7318E-01 1.7318E-01 2.3091E+00 6.3375E-01 3.5790E-02 2.1153E-01 5.8401E-01 3.5790E-02 2.1153E-01 3.7481E-02 9.1055E-01 3.7481E-02 9.1055E-01 3.7481E-02 9.1055E-01	1-7  1.8513E-02 1.0303E-01 1.6990E-04 1.652FE-00 1.4235E-00 2.3313E-00 2.648E-01 2.3277E-00 2.6862E-01 1.4726E-01 6.1918E-02 2.3277E-00 6.1918E-02 2.4778E-01 6.1918E-02 2.1718E-01 6.4581E-00 7.303E-01 1.1729E-02 2.1710E-01 1.1729E-02 2.1710E-01 1.1729E-02 2.1710E-01 1.1729E-02 2.7710E-01 1.1729E-02 2.7710E-01 1.1729E-02 2.7710E-01 1.1729E-02 2.7710E-01 2.7330E-05 2.2744E-03	1-8 1.5946E-02 2.8741E-02 1.4634E-04 1.427E-06 1.4828E-00 2.3415F-00 2.3415F-00 2.4488E-01 1.337E-01 2.3360E-00 2.4468E-01 2.3360E-00 2.3360E-00 2.3360E-00 2.337E-01 2.378E-01 2.737E-01 2.378E-01 2.737E-01 2.748E-03 2.748E-03 2.748E-03 2.748E-03 2.748E-03 2.748E-03 2.748E-03 2.748E-03 2.748E-01 2.748E-02 2.748E-03 2.748E-01 2.748E-01 2.748E-01 2.748E-01 2.748E-01 2.748E-01 2.748E-01 2.748E-01 2.748E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-00 1.2538E-00 1.2538E-00 1.2538E-01 1.5564E-01 0. 2.3974E-C1 2.3974E-C1 2.3974E-C1 2.3974E-C1 2.3974E-C1 2.3974E-C1 2.3974E-C1 2.3974E-C1 2.3974E-C1 2.3978E-01 6.4157E-01 6.5138E-01 9.6338E-01 9.6338E-01 9.6338E-01 9.6338E-01 9.6338E-01 7.6018E-00	I=10
P. P	1=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5905E+00 0.25001E+00 0.25001E+00 0.2500E-01 0.2505E+00 0.31952E-01 0.000 0.31952E-01 0.000 0.31952E-01 0.000 0.31952E+00	1=2 4.5534E-02 2.534E-03 4.1790E-04 4.0796E-00 2.5552E+00 2.5552E+00 2.5552E+00 2.5552E+00 2.75767E-02 2.7948E+00 1.9242E-01 1.9242E-01 1.9242E-01 1.9248E+00 2.2948E+00 2.29548E+00 2.29548E+00 2.29548E+00 2.29548E+00 2.29548E-00 2.29548E-00 3.6028E-01 3.5293E-01	1-3  4.6864E-02 2.6081E-01 4.3010E-04 4.1900E-00 2.5980E-00 2.5980E-00 2.13462E-01 -3.4026E-02 2.2653E-00 2.1127E-01 2.3010E-02 1.8938E-01 2.4010E-02 1.8938E-01 2.4010E-02 1.8938E-01 2.4010E-02 1.6938E-00 6.7291E-00 6.7401E-01 6.7179E-01 6.71	1-4  4.7534E-02  2.6454E-01  4.3625E-04  4.2551E-00  2.6245E-04  2.2506F-00  1.3742E-01  2.426E-04  2.2816E-00  2.5765E-01  2.9411E-01  2.9411E-01  2.9411E-01  2.9415E-01  2.9415E-01  2.9415E-01  2.9415E-01  2.9415E-01  2.9415E-01  2.9415E-01  2.9415E-01  3.8367E-01  4.4787E-01  2.4595E-01  3.8367E-01  4.4787E-01  2.4595E-01  9.8413E-01  2.4595E-01  9.8413E-01  2.4595E-01  9.8415E-01  3.8525E-01  9.8415E-01  3.8525E-01  9.1107E-06  6.77535E-03  -5.6346E-03  2.1376E-01	1-5 4.C846E-C2 2.2732E-O1 3.7487E-O4 3.6598E-O0 2.3839E-C0 2.3839E-C1 1.3363E-O1 1.3363E-O1 1.3363E-O1 1.3363E-O1 2.2823E-00 3.2384E-O1 1.3368E-O1 2.2823E-00 6.6677E-O1 1.1350E+O0 6.0759E-O0 6.6677E-O1 1.1350E+O0 6.0759E-O0 6.0759E	1=6  2.5468E-02  1.4174E-01  2.3374E-04  2.2820E+00  1.7518E+01  2.3364E+00  3.0975E-01  1.7318E-01  1.7318E-01  1.7318E-01  1.7318E-01  1.7318E-01  1.7318E-01  1.7318E-01  2.4977FE-01  2.3091E+00  6.3375E-01  5.8481E-01  5.8481E-01	1-7  1.85 13E-02 1.0303E-01 1.6990E-04 1.65 27E-00 1.42 35E-400 2.33 13E-60 2.33 13E-60 2.64 48E-c1 1.30 77E-01 2.04 48E-c1 1.32 77E-00 2.66 62E-01 1.47 26E-01 6.1918E-02 2.32 77E-40 8.34 440E+01 1.47 26E-01 6.45 913E-02 2.10 36E-01 1.72 39E-01 1.72 39E-01 2.73 36E-01 1.72 92 35E-01 1.73 92 92 92 92 92 92 92 92 92 92 92 92 92	1-8 1.5946E-02 2.8741E-02 1.4634E-04 1.427E-00 1.2882E-00 2.3415F-00 2.3415F-00 2.3426-01 1.337E-01 1.337E-01 1.3325E-01 2.3360E-00 2.4468E-02 1.4038E-02 1.4038E-02 1.4048E-02 1.4048E-02 1.4048E-02 1.4048E-02 1.4048E-01 2.4360E-00 2.4468E-01 2.4360E-01 2.4360E-00 2.4468E-01 2.436E-01 2.436E-01 2.436E-01 2.438E-03 1.1166E-02 4.7220E-06 6.75639E-00 2.2418E-03 1.1166E-02 4.7220E-06 6.75639E-00 2.2418E-03 1.1166E-02 4.7220E-06 6.12040E-04 -1.451E-02 4.7220E-06	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E+00 2.3448E+07 -1.5564E-01 0. 2.3377E+00 2.3924E-01 2.3938E-01 9.6338E-01	I-10
P. P	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5001E-00 2.2001E-00 2.2001E-00 2.2001E-00 2.2001E-00 2.2005E-01 3.1952E-16 1.8629E-01 0.0 1.8629E-01 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1-2 4.55346-02 2.5341E-01 4.1790E-04 4.0795E-00 2.5552E-00 2.2994E-00 2.2994E-00 1.3304E-01 5.2345E-02 2.994E-00 3.9937E-01 3.920E-02 1.7945E-01 3.5293E-01 7.5324E-01 7.5324E-01 6.1078E-00 6.2215E-00 6.2215E-00 6.22215E-00 6.2223E-02 6.2234E-02 6.2234E-02 6.2234E-02 6.2334E-01 6.2334E-01	1-3  1-3  1-6864E-02  2-6081E-01  4-3010E-04  4-1950E+00  2-5980E+00  2-2974E+00  2-374E+00  2-1374E-01  2-0010E-02  2-873E-01  2-0010E-02  1-8938E-01  1-4428E-01  1-4428E-01  1-4791E-00  4-7291E+00  4-7291E+00  4-7491E-01  6-4559E-01  6-4451E+00  3-7039E-01  2-4451E+00  3-7039E-01  3-4451E-02  1-312E-02  1-312E-02  1-312E-02  1-312E-02  1-322E-02  1-322E-02  1-322E-03  -6-4013E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -1-350E-01	1-4 4.7134E-02 2.6454E-01 4.3625E-04 4.2591E-00 2.6245E-00 0.6245E-00 2.5968F-00 -1.3742E-01 2.5468F-00 2.5765E-01 1.5007E-01 1.5007	1-5 4.C846E-C2 2.2732E-01 3.7487E-04 3.6598E-00 2.3689E+00 2.3619E+00 2.3619E-01 2.2623E-00 1.3599E-01 2.2623E-00 1.3588E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3758E-00 2.5764E-11 5.3452E-02 2.5448E-02 2.5746E-11 5.3452E-02 2.5448E-01 5.2220E-01 5.2354E+00 5.2220E-01 8.81176E-02 1.2104E-02 1.2104E-02 1.2104E-02 1.2104E-02 1.2104E-03 5.239E-03 5.379E-03 5.4729E-03 -1.5902E-01 -1.5902E-01	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E-00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3091E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.7318E-01 2.4097E-01 1.8306E-01 2.3091E+00 4.2890E+00 4.2890E+00 4.2890E+00 4.28746E-01 3.5790E-02 2.1153E-01 8.0855E+00 7.8131E-01 3.7481E-01 3.7481E-02 1.7587E-02 9.1055E-01 9.9214E+01 3.2084E-05 2.9257E-03 -1.8509E-01	1-7  1.85 13E-02 1.0303E-01 1.6990E-01 1.6990E-01 1.4235E-00 01.3237E-00 1.307E-01 2.3327E-00 1.307E-01 5.8187E-02 2.32C7E-01 1.4726E-01 1.4768E-02 2.1036E-01 4.6768E-02 1.1729E-02 1.1292E-02 1.1292E-02 1.10581E-02 2.7110E-01 1.0581E-02 2.71313E-01 1.0302E-02 2.21313E-01	1-8 1-5946E-02 1-4634E-04 1-422F-01 1-4634E-04 1-422F-01 1-1357E-01 2-3360E-00 3-2127E-02 2-4465E-01 3-2127E-02 2-4460E-01 2-3326E-00 4-0269E-01 2-336E-00 3-2127E-02 2-4641E-01 2-317E-01 5-917E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-00 1.2638E-00 0.2.3448E-07 -1.5564E-01 0.2.3924E-01 1.2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.397E-00 6.4072E-10 6.5038E-01 6.4157E-00 6.4057E-01 6.5038E-01 6.62690 6.7.6018E-00	1-10
P. P	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5001E-00 2.2001E-00 2.2001E-00 2.2001E-00 2.2001E-00 2.2005E-01 3.1952E-16 1.8629E-01 0.0 1.8629E-01 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1-2 4.55346-02 2.5341E-01 4.1790E-04 4.0795E-00 2.5552E-00 2.2994E-00 2.2994E-00 1.3304E-01 5.2345E-02 2.994E-00 3.9937E-01 3.920E-02 1.7945E-01 3.5293E-01 7.5324E-01 7.5324E-01 6.1078E-00 6.2215E-00 6.2215E-00 6.22215E-00 6.2223E-02 6.2234E-02 6.2234E-02 6.2234E-02 6.2334E-01 6.2334E-01	1-3  1-3  1-6864E-02  2-6081E-01  4-3010E-04  4-1950E+00  2-5980E+00  2-2974E+00  2-374E+00  2-1374E-01  2-0010E-02  2-873E-01  2-0010E-02  1-8938E-01  1-4428E-01  1-4428E-01  1-4791E-00  4-7291E+00  4-7291E+00  4-7491E-01  6-4559E-01  6-4451E+00  3-7039E-01  2-4451E+00  3-7039E-01  3-4451E-02  1-312E-02  1-312E-02  1-312E-02  1-312E-02  1-322E-02  1-322E-02  1-322E-03  -6-4013E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -1-350E-01	1-4 4.7134E-02 2.6454E-01 4.3625E-04 4.2591E-00 2.6245E-00 0.6245E-00 2.5968F-00 -1.3742E-01 2.5468F-00 2.5765E-01 1.5007E-01 1.5007	1-5 4.C846E-C2 2.2732E-01 3.7487E-04 3.6598E-00 2.3689E+00 2.3619E+00 2.3619E-01 2.2623E-00 1.3599E-01 2.2623E-00 1.3588E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3758E-00 2.5764E-11 5.3452E-02 2.5448E-02 2.5746E-11 5.3452E-02 2.5448E-01 5.2220E-01 5.2354E+00 5.2220E-01 8.81176E-02 1.2104E-02 1.2104E-02 1.2104E-02 1.2104E-02 1.2104E-03 5.239E-03 5.379E-03 5.4729E-03 -1.5902E-01 -1.5902E-01	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E-00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3091E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.7318E-01 2.4097E-01 1.8306E-01 2.3091E+00 4.2890E+00 4.2890E+00 4.2890E+00 4.28746E-01 3.5790E-02 2.1153E-01 8.0855E+00 7.8131E-01 3.7481E-01 3.7481E-02 1.7587E-02 9.1055E-01 9.9214E+01 3.2084E-05 2.9257E-03 -1.8509E-01	1-7  1.85 13E-02 1.0303E-01 1.6990E-01 1.6990E-01 1.4235E-00 01.3237E-00 1.307E-01 2.3327E-00 1.307E-01 5.8187E-02 2.32C7E-01 1.4726E-01 1.4768E-02 2.1036E-01 4.6768E-02 1.1729E-02 1.1292E-02 1.1292E-02 1.10581E-02 2.7110E-01 1.0581E-02 2.71313E-01 1.0302E-02 2.21313E-01	1-8 1-5946E-02 1-4634E-04 1-422F-01 1-4634E-04 1-422F-01 1-1357E-01 2-3360E-00 3-2127E-02 2-4465E-01 3-2127E-02 2-4460E-01 2-3326E-00 4-0269E-01 2-336E-00 3-2127E-02 2-4641E-01 2-317E-01 5-917E-01	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-00 1.2638E-00 0.2.3448E-07 -1.5564E-01 0.2.3924E-01 1.2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.397E-00 6.4072E-10 6.5038E-01 6.4157E-00 6.4057E-01 6.5038E-01 6.62690 6.7.6018E-00	I=10
P. P	1-1 4.5098E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5001E-00 2.2001E-00 2.2001E-00 2.2001E-00 2.2001E-00 2.2005E-01 3.1952E-16 1.8629E-01 0.0 1.8629E-01 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 1.8629E-01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1-2 4.55346-02 2.5341E-01 4.1790E-04 4.0795E-00 2.5552E-00 2.2994E-00 2.2994E-00 1.3304E-01 5.2345E-02 2.994E-00 3.9937E-01 3.920E-02 1.7945E-01 3.5293E-01 7.5324E-01 7.5324E-01 6.1078E-00 6.2215E-00 6.2215E-00 6.22215E-00 6.2223E-02 6.2234E-02 6.2234E-02 6.2234E-02 6.2334E-01 6.2334E-01	1-3  1-3  1-6864E-02  2-6081E-01  4-3010E-04  4-1950E+00  2-5980E+00  2-2974E+00  2-374E+00  2-1374E-01  2-0010E-02  2-873E-01  2-0010E-02  1-8938E-01  1-4428E-01  1-4428E-01  1-4791E-00  4-7291E+00  4-7291E+00  4-7491E-01  6-4559E-01  6-4451E+00  3-7039E-01  2-4451E+00  3-7039E-01  3-4451E-02  1-312E-02  1-312E-02  1-312E-02  1-312E-02  1-322E-02  1-322E-02  1-322E-03  -6-4013E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -1-350E-01	1-4 4.7134E-02 2.6454E-01 4.3625E-04 4.2591E-00 2.6245E-00 0.6245E-00 2.5968F-00 -1.3742E-01 2.5468F-00 2.5765E-01 1.5007E-01 1.5007	1-5 4.C846E-C2 2.2732E-01 3.7487E-04 3.6598E-00 2.3689E+00 2.3619E+00 2.3619E-01 2.2623E-00 1.3599E-01 2.2623E-00 1.3588E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3758E-00 2.5764E-11 5.3452E-02 2.5448E-02 2.5746E-11 5.3452E-02 2.5448E-01 5.2220E-01 5.2354E+00 5.2220E-01 8.81176E-02 1.2104E-02 1.2104E-02 1.2104E-02 1.2104E-02 1.2104E-03 5.239E-03 5.379E-03 5.4729E-03 -1.5902E-01 -1.5902E-01	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E-00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3091E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.7318E-01 2.4097E-01 1.8306E-01 2.3091E+00 4.2890E+00 4.2890E+00 4.2890E+00 4.28746E-01 3.5790E-02 2.1153E-01 8.0855E+00 7.8131E-01 3.7481E-01 3.7481E-02 1.7587E-02 9.1055E-01 9.9214E+01 3.2084E-05 2.9257E-03 -1.8509E-01	1-7  1.85 13E-02 1.0303E-01 1.6990E-01 1.6990E-01 1.4235E-00 01.3237E-00 1.307E-01 2.3327E-00 1.307E-01 5.8187E-02 2.32C7E-01 1.4726E-01 1.4768E-02 2.1036E-01 4.6768E-02 1.1729E-02 1.1292E-02 1.1292E-02 1.10581E-02 2.7110E-01 1.0581E-02 2.71313E-01 1.0302E-02 2.21313E-01	1-8 1-5946E-02 1-4634E-04 1-422F-00 1-2682E-00 0-1-4923E-01 1-1357E-01 2-3360E-00 3-2127E-02 2-4465E-01 3-2127E-02 2-4640E-01 2-336E-00 4-0269E-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-448E-03 1-11558E-00 2-448E-03 1-1166E-02 2-448E-03 1-1166E-02 2-448E-03 1-1264E-03	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-00 1.2638E-00 0.2.3448E-07 -1.5564E-01 0.2.3924E-01 1.2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.397E-00 6.4072E-10 6.5038E-01 6.4157E-00 6.4057E-01 6.5038E-01 6.62690 6.7.6018E-00	I-10
P. P	1=1 4.5099E-02 2.5098E-01 4.1390E-04 4.0408E-00 2.5905E+00 0.25001E+00 0.25001E+00 0.2500E-01 0.2505E+00 0.31952E-01 0.000 0.31952E-01 0.000 0.31952E-01 0.000 0.31952E+00	1-2 4.55346-02 2.5341E-01 4.1790E-04 4.0795E-00 2.5552E-00 2.2994E-00 2.2994E-00 1.3304E-01 5.2345E-02 2.994E-00 3.9937E-01 3.920E-02 1.7945E-01 3.5293E-01 7.5324E-01 7.5324E-01 6.1078E-00 6.2215E-00 6.2215E-00 6.22215E-00 6.2223E-02 6.2234E-02 6.2234E-02 6.2234E-02 6.2334E-01 6.2334E-01	1-3  1-3  1-6864E-02  2-6081E-01  4-3010E-04  4-1950E+00  2-5980E+00  2-2974E+00  2-374E+00  2-1374E-01  2-0010E-02  2-873E-01  2-0010E-02  1-8938E-01  1-4428E-01  1-4428E-01  1-4791E-00  4-7291E+00  4-7291E+00  4-7491E-01  6-4559E-01  6-4451E+00  3-7039E-01  2-4451E+00  3-7039E-01  3-4451E-02  1-312E-02  1-312E-02  1-312E-02  1-312E-02  1-322E-02  1-322E-02  1-322E-03  -6-4013E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -6-5650E-03  -1-350E-01	1-4 4.7134E-02 2.6454E-01 4.3625E-04 4.2591E-00 2.6245E-00 0.6245E-00 2.5968F-00 -1.3742E-01 2.5468F-00 2.5765E-01 1.5007E-01 1.5007	1-5 4.C846E-C2 2.2732E-01 3.7487E-04 3.6598E-00 2.3689E+00 2.3619E+00 2.3619E-01 2.2623E-00 1.3599E-01 2.2623E-00 1.3599E-01 2.3638E-01 2.3638E-01 2.3638E-01 2.3638E-01 1.3368E-01 1.3368E-01 1.3368E-01 1.3368E-01 1.3568E-02 2.5764E-11 5.3452E-02 2.5448E-02 2.5746E-11 5.3452E-02 2.5448E-01 5.220E-01 6.2354E+00 5.2220E-01 6.2354E-00 5.2354E-00 5.2354E-00 5.2354E-00 5.2354E-00 5.2354E-01 5.3452E-02 1.146E-02 1.16864E-04 -3.5397E-03 -1.5902E-01 1.6864E-04 -3.5397E-03	1=6 2.5468E-02 1.4174E-01 2.3374E-04 2.2820E-00 1.7551E+00 2.3164E+00 -1.1578E-01 2.3091E+00 3.0975E-01 8.2608E-02 2.6317E-01 1.7318E-01 2.4097E-01 1.8306E-01 2.3091E+00 4.2890E+00 4.2890E+00 4.2890E+00 4.28746E-01 3.5790E-02 2.1153E-01 8.0855E+00 7.8131E-01 3.7481E-01 3.7481E-02 1.7587E-02 9.1055E-01 9.9214E+01 3.2084E-05 2.9257E-03 -1.8509E-01	1-7  1.85 13E-02 1.0303E-01 1.6990E-01 1.6990E-01 1.4235E-00 01.3237E-00 1.307E-01 2.3327E-00 1.307E-01 5.8187E-02 2.32C7E-01 1.4726E-01 1.4768E-02 2.1036E-01 4.6768E-02 1.1729E-02 1.1292E-02 1.1292E-02 1.10581E-02 2.7110E-01 1.0581E-02 2.71313E-01 1.0302E-02 2.21313E-01	1-8 1-5946E-02 1-4634E-04 1-422F-00 1-2682E-00 0-1-4923E-01 1-1357E-01 2-3360E-00 3-2127E-02 2-4465E-01 3-2127E-02 2-4640E-01 2-336E-00 4-0269E-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-337EE-01 2-448E-03 1-11558E-00 2-448E-03 1-1166E-02 2-448E-03 1-1166E-02 2-448E-03 1-1264E-03	1-9 1.5501E-02 8.6267E-02 1.4226E-04 1.3889E-00 1.2638E-00 0.2.3448E-07 -1.5564E-01 0.2.3924E-01 1.2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.3924E-01 2.397E-00 6.4072E-10 6.5038E-01 6.4157E-00 6.4057E-01 6.5038E-01 6.62690 6.7.6018E-00	1-10

				ZETA- 5.COC	0C000E-01	<del></del>				
	1-1	1=2	1=3	1=4	1-5	1=6	1-7	1=8	1=9	1-10
	4.5609E-02	A 40A9E-03	4.7467E-02	4.8259E-02	4.1155E-02	2.5130E-02	1.6266E-02	1.5941E-02	1.5571E-02	
PZROASTSQ	2.5383E-01	2.56396-01	2.6416E-01	2.6857E-01	2.2904E-01	1.3985E-01	1.0165E-01	8-8715E-02	8.6658E-02	
P/PTINF P/PINF	4.1859E-04 4.0866E+00	4.2281E-04 4.1278E+00	4.3564E-04 4.2530E+00	4.4290E-04	3.7770E-04 3.6875E+00	2,3063E-04 2,2516E+00	1.6764E-04 1.6366E+00	1.4630E-04 1.4283E+00	1.4291E-04 1.3952E+00	
RHO .	2.5610E+00	2.5764E+00	2.6217E+00	2.6531E+00	2.3938E+00	1.7322E+00	1.4069E+00	1.2874E+00	1-2679E+00	
V	2.3008E+00	2.3001E+00 -1.1111E-01	2.2980E+00	2.2974E+00	2.3016E+00	2.3170E+00	2.33226+00	2.3428E+00 -1.2381E-01	2.3463E+00	
<del>`</del>	0.	-2-6913E-02	-3.3227E-02	-1.1392E-01 2.2998E-03	1.34436-61	2.39046-01	2.0920E-01	1.1613E-01	0.	
üc	2.2952E+00	2.24356+00	2.28//E+00	2.27936+00	2.2802E+00	2.3084E+00	2.3276E+00	2.3357E+00	.2. 33 14E+00	
VC	1.9525E-01 3.3488E-16	2.0178E-01	2.2129E-01 1.1055E-01	2.6893E-C1 1.5369E-01	3.3404E-01	3.1446E-01	2.7062E-01	2.4714E-01 3.4672E-02	2.4138E-01 1.8408E-11	
vcc_	1.42225-01		2.4697E-01	3.0658E-01	1.3443E-01 3.3404E-01	2.6448E-01	2.2979E-01	2.3392E-01	2.4138E-01	
MCC	0.	1.3040E-03 5.1424E-02		4.4241E-02	1.3443E-01	1.9054E-01	1.56182-01	8.6964E-02	6.3899E-12	
VX	0. -1.9525E-01	-1.8752E-01	1.9436E-01 -1.5302E-01	3.0227E-01 -6.76E3E-02	3.3404E-01 1.3443E-01	1.7449E-01 2.7533E-01	5.8498E-02 2.7161E-01	1.4351E-02 2.4915E-01	2.4138E-01	
VZ	2.2952E+00	2.2935E+00	2.2877E+00	2.2793E+00	2.2802E+00	2.3084E+00	2.3276E+00	2.3357E+00	2.3374E+00	
PSTNOR THE TNOR	0. 8.5138E+01	2.2828E+00 E.5329E+01	4.8562E+00 8.6187E+01	7.5540E+00 8.8314E+01	8.3344E+00 8.6662E+01	4.3227E+00 8.3217E+01	1.4397E+00 8.3346E+01	3.5204E-01 8.3911E+01	6.9899E-10 8.4104E+01	
XBAR	0.	1.4667E-01	6.7942E-01	9-6625E-01	1.1245E+00	1.0070E+00				
XBHLD YBAR	0. -7.6236E-01	2.8051E-01	6.5651E-01 -5.9987E-01	6.7650E-01	1.1035E+00	8.1939E-01	4.7739E-01	3.7232E-01 1.1956E-01 8.4858E-01	8.2712E-11	
YBHLO	-7-6236F-01		-6.08316-01		-2.4517E-11 7.2230E-02	4.0411E-01 5.9150E-01	6.8868E-01 8.0055E-01	8-6203E-01	9.0235E-01	
ETA	2.8220E-02	2.7125E-02	2.4566E-02	2.04966-02	2.1207E-02	2.9825E-02	4.1498E-02	4.9312E-02	5.2383E-02	
G DEONS	-1.2301E-01 6.0734E+00	2.7125E-02 -1.2332E-01 6.1534E+00	-1.2993E-01 6.4375E+00	-1.3830E-01 7.1930E+00	-1.6609E-01 E.7966E+00	-1.7239E-01 7.9066E+00	-1.7204E-01 6.7852E+00	-1.5838E-01 6.4150E+00	-1.5169E-01 6.3687E+00	
AM -	6.1840E+00	A-1690F+00	4-1245F+00	6.1103E+00	6.3073E+00	6.9342F+00		7 E435E+00	7.5964E+00	
CROSSM	3.0141 E-01	3.0629E-01	3-1409F-01	3.0798E-01 9.8183E-C2	4.8481 E-01 8.2932 E-02	7.6751E-01 4.2536E-02	7.4230E=01		4.1670E-01	
SBAR POROGAM	9.1142E-02 1.2226E-02	9.2//8E-02	9.8281E-02 1.2313E-02	9.8183E-C2 1.2312E-02	8.2932E-02 1.2126E-02	4.2536E-02	1.40816-05	2.04085-03	7.0168E-04 1.1169E-02	
PT/PTINE	1.40245-01	1.4233E-01	7.8215E-01	7.8235E-01	8.1275E-G1	8.9912E-01	1.1326E-02 9.6396E-01 1.0503E+02 -1.4106E-04 2.6731E-03	5.9252E-01	9.9825E-01	
PT BERNOUL	8.6759E+01	0 44056401	8.50046401	R F 24 CAAL	8.8558E+01 2.2957E-04	9.7968E+01	1.0503E+02	1.0819E+02 3.9069E-06	1.0877E+02 6.3737E-09	
DPOZ	~4.6746E-03	-4.3099E-C6 -4.8841E-03	-5.5820E-03	-6.7443E-03		3.8635E-03	2.6731E-03			
DUDZ	-6.3368E-03	-5.9897E-03	-5.5100E-03	-4.7452E-03	-4.4074E-03	-4.8092E-03	-8.2163E-03	2.0626E-04 -1.1854E-02 -2.5238E-01	-1.3504E-02	
DVOZ	-1 0780C-15	-6 47736-03	-4 02705-02	-2.1643E-01	-2.0480E-01	-1.8688E-01	-2.1416E-01	-2.5238E-01 -2.5769E-02	-2.6454E-01	
DSBDZ	-7.9048E-31	-9-1672E-04	-9.68C9E-04	-7.4060E-05	-1.85886-02	-5.5822E-02	-3.5567E-02	-7.8119E-03	-2.2782E-26	•
PP	-2.3135E-15	1.8974E-02 -2.9092E-02	3.2905E-02	-4.4264E-02	-2.3337E-01	-2.2582E-01	-7.1773E-02	-1.8518E-02	-3.1787E-15	
UP	-3.7681E-13	1.8974E-02 -2.9092E-02 -3.7778E-03 -3.6122E-01 7.7431E-02	-3.3756E-02	1.76C6E-02 -5.2259E-02	1.8400E-01 2.1879E-CI	2.9898E-01	2.4237E-01 -2.9942E-01	1.2938E-01	-5.9195E-13 2.2554E-14	:
iP	-5.4533E-01	-3.6122E-01	1.4866E-01	1.6103E+00	2.4732E+00	7.2533E-01	-1.2712E+00	-1.9744E+00	-2.1560E+00	
SBARP	-4.0646E-15	7.7431E-02	7.7052E-02	-1.08658-01	-5.4149E-01	-6.7491E-01	-3.5242E-01	-1.0803E-01	1.3751E-15	
				ZETA= 4.000	OCOCOE-01					-
		[=2	1=3	ZETA= 4.000 1=4	0C0C0E-01	I=6	I=7	1=8	[±9	t =10
		[=2	. 1=3	1=4	I =5					t = 1
PIROASTSC	1=1 4.6034E-02 2.5619E-01	I=2 4.6512E-02 2.5885E-01	1=3 4.7979E-02 2.6702E-01	I=4 4.8882E-02 2.72C4E-C1	1*5 4.1366E-02 2.3021E-01	2.4692E-02 1.3741E-01	1.7977E-02 1.0005E-01	1.5906E-02 8.8521E-02	1.5614E-02 8.6897E-02	<u>1 = 1</u>
P/ROASTSC	1=1 4.6034E-02 2.5619E-01 4.2248E-04	1=2 4.6512E-02 2.5885E-01 4.2687E-C4	1=3 4.7979E-02 2.6702E-01 4.4034E-04	1=4 4.8882E-02 2.72C4E-C1 4.4862E-04	1=5 4.1366E-02 2.3021E-01 3.7964E-04	2.4692E-02 1.3741E-01 2.2661E-04	1.7977E-02 1.0005E-01 1.6499E-04	1.5906E-02 8.8521E-02 1.4558E-04	1.5614E-02 8.6897E-02 1.4330E-04	<u>1=1</u>
PIROASTSC	1=1 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E+00 2.5780E+00	I=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E+00 2.5939E+00	1=3 4.7979E-02 2.67CZE-01 4.4034E-04 4.2989E+00 2.6417E+00	I=4 4.8882E-02 2.72C4E-C1 4.4862E-04 4.3758E+00 2.6774E+00	1=5 4.1366E-02 2.3021E-01 3.7964E-04 2.7664E+00	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E+00 1.3866E+00	1.5906E-02 8.8521E-02 1.4558E-04 1.4252E+00	1.5614E-02 8.6897E-02 1.4330E-04	t=1
PZROASTSC PZPTINE PZPINE RHO	1=1 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E+00 2.5780E+00 2.3014E+00	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E+00 2.3006E+00	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E+00 2.6417E+00 2.2585E+00	1=4 4.8882E-02 2.72C4E-C1 4.4862E-04 4.3758E-00 2.6774E+00 2.2978E+C0	1=5 4.1366E-02 2.3021E-01 3.7964E-04 2.37964E-00 2.3991E+00 2.3020E+00	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00 2.3174E+00	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E+00 1.3866E+00 2.3329E+00	1.5906E-02 8.8521E-02 1.4558E-04 1.4252E-00 1.2844E+00 2.3439E+00	1.5614E-02 8.6897E-02 1.4330E-04 1.3990E+00 1.2704E+00 2.3475E+00	t=1
P/ROASTSC P/PTINF P/PINF RHO J	1=1 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E+00 2.5780E+00 2.3014E+00 -9.0209E-02	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E+00 2.5939E+00 2.3006E+00 -8.9164E-02	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E+00 2.6417E+00 2.2585E+00 -9.1533E-02	I=4 4.8882E-02 2.72C4E-C1 4.4862E-04 4.3758E+00 2.6774E+00 2.978E+00	1*5 4.1366E-02 2.3021E-01 3.7964E-04 2.7064E-00 2.3991E-00 2.3020E-00	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00 2.3174E+00 -7.8389E-02	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-06 1.3866E+00 2.3329E+00 -8.7925E-02	1.5906E-02 8.8521E-02 1.4558E-04 1.4252E+00 1.2844E+00 2.3439E+00 -5.6725E-02	1.5614E-02 8.6897E-02 1.4330E-04 1.3990E+00 1.2764E+00 2.3475E+00 -1.0270E-01	1-1
PYROASTSC PYPTINF PYPTINF RHO J	4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.5780E-02 -9.0209E-02 0.	4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E+00 2.5939E+00 0.39006E+00 -8.9164E-02 -2.6372E-02 2.2922E+C0	1=3 4.7979E-02 2.6762E-01 4.4034E-04 4.2989E+00 2.5417E+00 -9.1533E-02 -3.2650E-02 2.2662E+00	1=4 4.8882E-02 2.72C4E-C1 4.4862E-04 4.3758E+00 2.6774E+00 2.2978E+C0 -9.4082E-02 5.4550E-03 2.2771E+00	1=5 4-1366E-02 2-3021E-01 3-7964E-04 3-7664E+00 2-3991E+00 2-3020E+00 -5-4971E-02 1-3537E-01 2-2780E+00	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00 -7.8389E-02 2.4300E-01 2.3077E+00	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 1.3866E+00 2.3329E+00 -8.7925E-02 2.1398E-01 2.3275E+00	1.5906E-02 8.8521E-02 1.4598E-04 1.4252E-00 1.2844E-00 2.3439E-00 -5.8725E-02 1.1870E-01 2.3354E+00	1.5614E-02 8.6897E-02 1.4330E-04 1.3990E+00 1.2704E+00 2.3475E+00 -1.0270E-01 0.23371E+00	<u>1=1</u>
PZROASTSC PZPTINF PZPTNF RHO J V ""	1-1 4.6034E-02 2.5619E-01 4.2248E-01 4.1246E-00 2.3014E-00 -9.0209E-02 0.22940E+00 2.0425E-01	4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E+00 2.5939E+00 2.3006E+00 -2.6372E-02 2.2922E+00 2.11116E-01	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2969E+00 2.6417E+00 9.1533E-02 -3.2650E-02 2.2662E+00 2.3155E-01	1=4 4.8882E-02 2.72C4E-C1 4.4862E-04 4.3758E+00 2.6774E+00 2.2978E+02 5.4550E-03 2.2771E+00 2.8115E-01	1=5 4.1366E-02 2.3021E-01 3.794E-04 3.764E+00 2.3991E+00 2.3020E+00 -5.4971E-02 1.3537E-01 2.2780E+00	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00 2.3174E+00 -7.8389E-02 2.4300E-01 2.3077E+00 3.1938E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 1.3866E-00 2.3329E-00 -8.7925E-02 2.1398E-01 2.3275E-00 2.7274E-01	1.5906E-02 8.8521E-02 1.4558E-04 1.4252E+00 1.2844E+00 2.3439E+00 -5.8725E-02 1.1870E-01 2.3354E+00 2.4910E-01	1.5614E-02 8.6897E-02 1.4930E-04 1.3990E+00 1.2704E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00	1=1
P/ROASTSC P/PTINF P/PINF RHO	4.6034E-02 2.5619E-04 4.1246E-04 4.1246E-00 2.5780E+00 2.3014E-00 -9.0209E-02 0. 2.2940E+00 2.0425E-01 3.5032E-16	4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E+00 2.5939E+00 -8.9164E-02 -2.6372E-02 2.2922E+C0 2.1116E-01 5.3501E-02	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E+00 2.6417E+00 2.7552E-00 -3.2650E-02 2.2662E+00 2.3155E-01 1.111E-01 2.5673E-01	1=4 4.8882E-02 2.72C4E-C1 4.4862E-04 4.3758E+00 2.6774E+00 2.2978E+C0 -9.4082E-02 5.4550E-03 2.2771E+00 2.8115E-01 1.5682E-C1	1=5 4.1366E-02 2.3021E-01 3.7964E-04 2.7064E+00 2.3991E+00 2.3991E+00 2.3757E-01 2.2780E+00 3.4490E-00 1.3557E-01	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00 2.3174E+00 7.8389E-02 2.4300E-01 2.3077E+00 3.1938E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 1.3866E+00 2.3329E+00 -8.7925E-02 2.1398E-01 2.3275E+00	1.5906E-02 8.8521E-02 1.4558E-04 1.4252E-00 1.2844E+00 2.3439E-00 -5.6725E-02 1.1870E-01 2.3354E-00 2.4910E-01	1.5614E-02 8.6897E-02 1.4330E-04 1.3990E+00 1.2704E+00 2.3475E+00 1.0270E-01 0 2.3371E+00 2.3371E+00 2.4297E-01	1=1
PARDASTSC PARTINE PARTINE WID J J J J J J J J J J J J J J J J J J J	1-1 4.6034E-02 2.55619E-01 4.224E-00 2.5780E-00 2.3014E-00 -9.0209E-02 0. 2.940E-00 3.5032E-16 2.0425E-01	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5999E-00 2.3006E-00 -8.9164E-02 2.2922E-00 2.1116E-01 5.3501E-02 2.1782E-02 2.1782E-02	1=3 4.7679E-02 2.6702E-01 4.4034E-04 4.2969E+00 2.6417E+00 2.3265E+00 -9.1533E-02 -3.2650E-02 2.3652E+00 2.3155E-01 1.111E-01 2.5673E-01 7.1562E-03	1-4 4.8882E-02 2.72C4E-C1 4.4862E-04 4.37768E+00 2.6774E+00 2.2778E+00 -9.4082E-02 2.4771E+00 2.8115E-01 1.5682E-C1 311944E-01 3.9964E-02	1.5 4.1366E-02 2.3021E-01 3.7964E-04 3.7964E-00 2.3991E-00 2.3921E-00 2.357E-01 2.2780E-00 1.3537E-01 3.4490E-01 1.3537E-01 3.457E-01	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00 2.3174E+00 7.8389E-02 2.4300E-01 2.3077E+00 3.1938E-01 8.9808E-02 2.6545E-01 1.9900E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E+00 2.3329E+00 -8.7925E-02 2.1398E-01 2.3275E-00 6.7695E-02 2.2714E-01 1.6550E-01	1.5906E-02 8.6521E-02 1.4558E-04 1.4252E+00 2.3439E+00 -0.6725E-02 1.1870E-01 2.3354E+00 2.4910E-01 3.7244E-02 2.3401E-01 5.3158E-02	1.5614E-02 8.6897E-02 1.4330E-04 1.3990E-00 1.2704E-00 2.3475E-00 1.0270E-01 0.3371E-00 2.4297E-01 1.6407E-11 2.4297E-01 5.4504E-12	<u>t=1</u>
PAROASTSC PARTINE PARTINE HO I I I I I I I I I I I I I I I I I I	1-1 4.0034E-02 2.5519E-01 4.2248E-04 4.1246E+00 2.5780E+00 2.5780E+00 2.5014E+00 2.020E-02 0.0425E-01 3.5032E-16 2.0425E-01 0.0	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1614E-00 2.3906E-00 6.9164E-02 2.6972E-02 2.2922E-00 2.3116E-01 5.3501E-02 2.1782E-C1 -2.6679E-C3 3.376F-02	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2969E+00 2.6417E+00 2.3265E+00 -9.1533E-02 -3.2650E-02 2.3652E+00 2.3155E-01 1.111E-01 2.5673E-01 7.1562E-03	1=4 4.8882E-02 2.724E-C1 4.4862E-04 4.3756E-00 2.6774E+00 2.2778E-00 2.8115E-01 1.5662E-C1 3.9764E-02 3.9764E-02 3.9764E-02	1.5 4.1366E-02 2.3021E-01 3.7064E-04 2.7064E-00 2.3991E-00 2.3020E-00 2.3020E-00 3.4490E-01 1.3537E-01 1.3537E-01 1.3537E-01 1.3537E-01	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E+00 1.7029E+00 2.3174E+00 -7.8389E-02 2.4500E-01 2.3077E+00 3.1938E-01 8.9808E-02 2.6545E-01 1.7544E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E+00 1.3866E+00 2.3322E+00 -8.7925E-02 2.1398E-01 2.3275E+00 2.7274E-01 6.7695E-02 2.2711E-01 1.6550E-01	1.5906E-02 8.8521E-02 1.4558E-04 1.4252E-00 1.2844E-00 2.3439E-00 -5.8725E-02 1.1870E-01 2.3354E-00 2.4910E-01 3.77244E-02 2.3401E-01 5.3158E-02	1.5614E-02 8.6697E-02 1.4390E-00 1.3990E-00 1.2704E-00 2.3415E-00 1.0270E-01 0. 2.3371E-00 2.4297E-01 1.8407E-11 2.4297E-01 5.4504E-12 2.8581E-11	[=1
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VAGASTSC  TPTINF  "YPTINF  "YPTINF  "CC  CC  CC  CC  CC  X  Y  Z  SINOR  HETNOR  BAR  BHLD	121 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.53014E-00 2.3014E-00 2.3014E-01 3.5032E-10 2.0425E-01 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-C0 2.5939E-00 2.3906E-00 -8.9164E-02 2.2922E-01 5.3501E-02 2.1116E-01 5.3501E-02 2.1782E-01 -2.6679E-03 9.3780E-03 9.3780E-03	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 2.1252E-01 2.3155E-01 2.3155E-01 1.111E-01 1.5673E-02 7.152E-03 1.9924E-01 -1.6205E-01 2.2862E+00 4.9808E+00 4.9808E+00 4.9808E+00 4.9808E+00 4.5961E+01 6.6707E-01	1-4 4.8882E-02 2.7264E-C1 4.4862E-04 4.3758E-00 2.2718E-00 2.2718E-00 2.2718E-01 1.5582E-C1 1.5582E-C1 2.1340E-C1 -7.3662E-02 2.2711E-00 7.8362E-02 2.2771E-00 7.8366E-01	1-5 4.1366E-02 2.3021E-01 3.7964E-04 2.3020E-06 2.3020E-06 2.3020E-06 2.3537E-01 2.2780E-06 1.3537E-01	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 2.3077E-00 2.3077E-00 3.1938E-01 8.9808E-02 2.6345E-01 1.7544E-01 2.3077E-00 4.3476E-00 4.3476E-00 9.8092E-01 9.8092E-01 7.4933E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3329E-00 2.3329E-00 2.329E-01 2.327E-01 6.769E-02 2.7274E-01 6.769E-02 2.2711E-01 1.6550E-01 2.3275E-00 2.3275E-00 2.3275E-00 1.3556E-00 1.3556E-00 7.0116E-01 7.116E-01	1.59c6E-02 8.8521E-02 1.4558E-04 1.4558E-04 1.2844E-00 2.3439E-00 1.870E-01 2.3354E-00 2.3354E-00 3.7244E-02 2.3401E-01 9.3158E-02 2.3501E-01 9.3158E-02 2.356E-00 2.356E-00 2.356E-00 2.356E-00 2.356E-00 2.356E-00 2.356E-00	1.5614E-02 8.6697E-02 1.4330E-04 1.3390E-04 1.3990E-00 1.2704E-01 0.2704E-01 0.2.3371E-00 2.3371E-00 2.4297E-01 1.4407E-11 2.4297E-01 2.4297E-01 2.3371E-00 7.0068E-10 8.4065E-01 8.4065E-01 8.4065E-01	1=1
VAGASTSC  /PTINF  //PTINF  //P	121 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.53014E-00 2.3014E-00 2.3014E-01 3.5032E-10 2.0425E-01 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-C0 2.5939E-00 2.3906E-00 -8.9164E-02 2.2922E-01 5.3501E-02 2.1116E-01 5.3501E-02 2.1782E-01 -2.6679E-03 9.3780E-03 9.3780E-03	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2799E-00 2.6417E-00 2.6417E-00 2.1255E-01 2.3155E-01 2.3155E-01 2.3155E-01 2.3155E-01 2.3152E-03 4.924E-01 -1.6205E-01 2.2802E-00 4.9808E-00 4.9808E-00 4.9808E-00	1-4 4.8882E-02 2.7264E-C1 4.4882E-04 4.3768E-00 2.6774E-00 2.6778E-00 5.4550E-03 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.3602E-02 2.2771E-00 6.8166E-00 6.8166E-01 6.579E-01	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3571E-01 1-3537E-01 1-3537E-01 1-3537E-01 1-3537E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01 2.6158E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3329E-00 2.1398E-01 2.3275E-00 2.7274E-01 1.6550E-01 2.757E-01 2.3275E-00 2.7575E-01 2.3275E-00 1.3556E-01 1.3556E-01 4.1055E-01 4.1055E-01 4.1055E-01 4.1055E-01 4.1055E-01	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.4339E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.211E-02 2.3154E-00 2.3158E-02 1.2211E-02 2.3554E-00 2.355E-01 2.355E-02 1.355E-02	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0.2371E+00 2.3371E+00 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 3.3371E+00 7.0068E-10 8.4065E+01 8.0114E-11 8.0114E-11	1=1
VROASTSC /PPTNF /PPTNF /PPTNF HO C C C C C C C X Y Z SINOR HETNCP BAR BHLD BAR BHLD	121 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.53014E-00 2.3014E-00 2.3014E-01 3.5032E-10 2.0425E-01 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00 0.0 2.240E-00	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E-00 2.3006E-00 -8.9164E-02 2.922E-00 2.1116E-01 5.3501E-02 2.1782E-01 -2.6679E-03 9.3780E-02 -1.9661E-01 2.422E-00 2.3425E-00 2.3425E-00 2.3425E-00 2.5914E-01 -6.9171E-01	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 2.1252E-01 2.3155E-01 2.3155E-01 2.3155E-01 2.3155E-01 2.3152E-03	1-4 4.8882E-02 2.7264E-C1 4.4882E-04 4.3758E-00 2.6774E-00 2.2778E-00 2.2771E-00 2.2771E-01 1.5682E-C1 1.5682E-C1 2.1346E-01 2.1346E-01 7.8562E-02 7.8562E-03 6.9564E-02 7.8562E-03 7.8566E-03 7.8566E-03	1=5 4.1366E-02 2.3021E-01 3.7964E-04 2.3991E-00 2.39026E-00 2.3991E-02 2.3951E-01 2.2780E-01 2.37537E-01 1.3537E-01	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1938E-01 2.4977E-00 3.1938E-01 2.545E-01 1.7544E-01 2.3077E-00 4.3476E-00 9.8092E-01 9.8092E-01 7.4933E-01 7.4933E-01 7.4933E-01 7.4933E-01 7.4933E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3329E-00 2.7325E-02 2.1398E-02 2.7274E-01 1.6759E-02 2.7274E-01 1.6759E-02 2.7274E-01 1.6759E-02 2.7274E-01 1.6759E-02 2.7275E-01 1.3556E-00 1.3275E-00 1.3256E-00 7.016E-01 7.016E-01 7.016E-01 7.016E-01 7.016E-01	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2644E+00 2.3439E+00 2.4339E+00 2.4310E-01 3.7244E-02 2.3354E+00 2.4310E-01 2.211E-02 2.3554E-00 1.2211E-02 2.3554E-00 1.2355E-01 2.3554E-00 1.2355E-01 2.3554E-00 1.2356E-01 2.3554E-00 1.2356E-01 2.3554E-00 1.256E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01 2.3554E-01	1.5614E-02 8.687E-02 1.4330E-04 1.3390E+00 1.2704E-00 2.3475E-00 2.3371E-00 2.3371E-00 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 3.4152E-01	1 1
PROASTSC PPTINF PINF CC	4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.5780E+00 2.3014E-01 3.5032E-16 2.0425E-01 3.5032E-16 2.0425E-01 0. 2.2940E+00 0. 2.2940E+00 0. 2.2949E+01 0. 2.2949E+01 0. 2.2949E+01 0. 2.2949E-01 0. 2.2949E+01 0.	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E-00 2.3006E-00 -8.9164E-02 2.26372E-02 2.1114E-01 5.3501E-02 2.1782E-01 2.4782E-01 2.5914E-01 -0.9177E-01 -1.0065E-01 -1.0065E-01 -1.0065E-01 -1.0065E-01	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 2.6417E-00 2.1252E-01 2.3155E-01 2.111E-01 2.111E-01 2.15073E-02 2.152E-03 2.902E-00 4.908E-00	1-4 4.8882E-02 2.7264E-C1 4.4882E-04 4.3758E-00 2.6774E-00 2.2778E-00 2.2771E-00 2.2771E-01 1.5882E-C1 1.5882E-C1 2.1346E-01 2.1346E-01 7.8562E-02 2.1771E-00 7.856E-02 7.856E-03 7.856E-03 7.856E-01	1-5 4.1366E-02 2.3021E-01 3.7964E-04 2.3020E-06 2.3020E-06 2.3051E-01 2.3791E-02 2.3791E-02 2.3790E-06 1.3537E-01	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 3.174E-00 3.1938E-01 2.4977E-00 3.1938E-01 1.990E-02 2.6545E-01 1.990E-02 2.6545E-01 1.9764E-01 2.3077E-00 4.3476E-00 9.8092E-01 3.8080E-02 2.3680E-02 2.3698E-01 2.3698E-01 2.3698E-01 2.3698E-01 2.3698E-01 2.3698E-01 2.3698E-01 2.3698E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3229E-00 2.7229E-01 2.3275E-00 2.7278E-01 2.7278E-01 1.6550E-01 1.5550E-01 2.7275E-01 2.3275E-00 2.7275E-01 1.6550E-01 2.7557E-01 1.3556E-00 1.3256E-01 1.3556E-01 1.3556E-01 1.3556E-01 1.3556E-01 1.3556E-01 1.356E-01 1.356E-01 1.356E-01 1.356E-01 1.356E-01 1.356E-01 1.356E-01	1.59c6E-02 8.8521E-02 1.4558E-04 1.4558E-04 1.4558E-04 1.2844E-00 2.3439E-00 2.1439E-01 2.3354E-00 3.7244E-02 2.3451E-01 2.3158E-02 2.3158	1.5614E-02 8.6697E-02 1.4330E-04 1.3390E+00 1.2704E+00 2.3495E+00 1.0270E-01 0.371E+00 2.3371E+00 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 3.4150E-01 8.4065E+01 8.4065E+01 8.4065E+01 8.4153E-01 8.4153E-01 8.4153E-01 8.4153E-01 8.4153E-01	
PROASTSE POTENT OF THE PROPERTY OF THE PROPERT	1=1  2.5619E-01 4.2248E-04 4.1248E-00 2.5780E+00 2.5780E+00 2.53014E-00 2.53014E-01 3.5032E-16 2.0425E-01 0. 0.25940E+00 0.36425E-01 0.72980E-01 7.2980E-01 7.2980E-02 9.7115E-02 9.7115E-02	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E-00 0.5939E-00 0.3906E-00 -8.9164E-02 2.26372E-02 2.1116E-01 5.3501E-02 2.1782E-01 2.3925E-00 2.196E-01 2.3925E-00 8.5102E-01 2.3925E-00 8.5102E-01 2.3925E-00 8.5102E-01 2.59314E-01 2.59314E-01 2.59314E-01 2.1700E-02 -5.7137E-02	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E-00 2.6417E-00 2.75856-00 -9.1538E-02 2.2662E-00 2.3155E-01 1.111E-01 1.111E-01 1.152E-03 1.152E-03 1.6205E-01 2.2682E-00 6.3637E-01 -7.37416E-01 -5.8451E-01 1.9653E-02 -1.9626E-01	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.6774E-00 2.6778E-00 2.6778E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 3.1944E-02 3.1340E-C1 3.1944E-03 3.1340E-C1 3.1944E-03 3.1340E-C1 3.1944E-03 3.171E-00 3.171E-01 3.5771E-01 3.5771E-01 3.5771E-01	1-5 4.1366E-02 2.3021E-01 2.7064E-04 2.7064E-04 2.3991E-00 2.3020E-00 2.3020E-00 2.3571E-01 2.2780E-00 3.4490E-01 3.457E-01 3.457E-01 2.4780E-01 2.4780E-01 2.4780E-01 2.4780E-01 2.4780E-01 2.4780E-01 2.4780E-01 2.4780E-01 2.4780E-01 2.4780E-02 2.4790E-03	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.4576E-01 2.7645E-01 2.8575E-01 2.8575E-01 2.8575E-01 2.8575E-01 2.8595E-01 2.8595E-01 2.8595E-01 2.8595E-01 2.3865E-01 2.3866E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.3275E-00 2.7274E-01 1.6550E-01 2.3275E-00 2.7274E-01 2.3275E-00 2.7274E-01 2.3275E-00 2.757F-01 2.3275E-00 2.3256E-00 4.1655E-01 4	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E+00 2.3154E+00 2.3154E-02 1.2211E-02 2.3554E-00 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2354E-02 1.2364E-01 1.2364E-02 1.2364	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0.2371E+00 2.3371E+00 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 3.450E-10 8.4065E+01 8.405E-10 8.4065E+01 8.4153E-01 8.4153E-01 8.4153E-01 8.4153E-01 8.4153E-01 8.4153E-01	
/ADASTSG //POTINE //PTINE //PT	121 4.6034E-02 2.5619E-01 4.2248E-04 4.1244E-04 2.5780E-90 2.5780E-90 2.3014E-60 -9.020E-02 2.20425E-01 3.5032E-16 2.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-01	1=2  4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-02 2.5939E-00 2.5939E-00 2.3906E-00 2.3906E-00 2.3906E-00 2.3906E-00 2.3906E-01 2.4906E-01 2.5914E-01	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 2.75256-00 -9.1538E-02 2.2622E-00 2.3155E-01 1.111E-01 1.5673E-02 2.2622E-00 2.3155E-03 2.3650E-02 2.2682E-00 6.3637E-01 -1.6205E-01 2.2682E-00 6.5707E-01 6.3637E-01 -5.8651E-01 1.9653E-02 -1.02269E-01 -1.9653E-02 -1.02269E-01 -1.3763E-00	1-4 4.8882E-02 2.7264E-C1 4.4882E-04 4.3758E-00 2.6774E-00 2.2778E-00 2.2771E-00 2.2771E-01 1.5882E-C1 1.5882E-C1 2.1346E-01 2.1346E-01 7.8562E-02 2.1771E-00 7.856E-02 7.856E-03 7.856E-03 7.856E-01	1-5 4.1366E-02 2.3021E-01 2.7064E-04 2.7064E-04 2.7064E-06 2.3020E-06 2.3020E-06 2.3020E-06 2.3571E-01 2.4760E-01 3.4490E-01 3.4490E-01 3.4490E-01 3.4490E-01 2.4760E-06 2.6036E-06 2.6036E-06 2.6036E-06 2.3271E-11 2.606E-07 2.3271E-11 2.606E-07 2.3271E-12 2.606E-07 2.3271E-11	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.303E-01 2.3077E-00 3.303E-01 2.3077E-00 3.303E-01 2.305E-01 2.305E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3329E-00 2.1398E-01 2.3275E-00 2.7274E-01 3.505E-02 2.7375E-01 2.3275E-00 3.5076E-02 2.7557E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3556E-01 3.356E-01 4.1655E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.7645E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2644E+00 2.3439E+00 2.4339E+00 2.4310E-01 2.3354E+00 2.4310E-01 2.3354E+00 2.4315E-02 1.2211E-02 2.3354E+00 2.3354E-00 1.2211E-02 2.3554E-00 1.3554E-00	1.5614E-02 8.687E-02 1.4330E-04 1.3390E+00 1.2704E-01 2.3371E-00 2.3371E-00 2.3371E-01 2.4297E-01 3.4152E-01 3.4152E-01 4.1906E-02 4.1906E-02 4.1906E-02 4.1926E-01 6.4549E-00	
PROASTSE POTINE HO  C C C C C C C C C C C C C C C C C C	121 4.6034E-02 2.5619E-01 4.2248E-04 4.1244E-04 2.5780E-90 2.5780E-90 2.3014E-60 -9.020E-02 2.20425E-01 3.5032E-16 2.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-00 0.0425E-01 2.2940E-01	1=2  4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-02 2.5939E-00 2.5939E-00 2.3906E-00 2.3906E-00 2.3906E-00 2.3906E-00 2.3906E-01 2.4906E-01 2.5914E-01	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 2.1252E-01 2.3155E-01 2.3155E-01 2.3155E-01 2.3155E-01 2.3155E-01 2.3152E-03 2.3155E-01 2.5673E-01 2.15673E-01 2.5673E-01	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3758E-00 2.6774E-00 2.2771E-00 2.2771E-01 1.5682E-01 1.5682E-01 1.5682E-01 2.1340E-01 2.1340E-01 2.1340E-01 2.1371E-00 2.1371E-00 2.1371E-00 2.1371E-01 2.138E-01 2.138E-01	1-5 4.1366E-02 2.3021E-01 2.7064E-04 2.7064E-04 2.7064E-06 2.3020E-06 2.3020E-06 2.3020E-06 2.3571E-01 2.4760E-01 3.4490E-01 3.4490E-01 3.4490E-01 3.4490E-01 2.4760E-06 2.6036E-06 2.6036E-06 2.6036E-06 2.3271E-11 2.606E-07 2.3271E-11 2.606E-07 2.3271E-12 2.606E-07 2.3271E-11	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.1938E-01 2.3077E-00 3.303E-01 2.3077E-00 3.303E-01 2.3077E-00 3.303E-01 2.305E-01 2.305E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01 2.306E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3329E-00 2.1398E-01 2.3275E-00 2.7274E-01 3.505E-02 2.7375E-01 2.3275E-00 3.5076E-02 2.7557E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3275E-01 2.3556E-01 3.356E-01 4.1655E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.6633E-01 7.7645E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2644E+00 2.3439E+00 2.4339E+00 2.4310E-01 2.3354E+00 2.4310E-01 2.3354E+00 2.4315E-02 1.2211E-02 2.3354E+00 2.3354E-00 1.2211E-02 2.3554E-00 1.3554E-00	1.5614E-02 8.687E-02 1.4330E-04 1.3390E+00 1.3390E+00 2.38715E-00 -1.0270E-01 0.3371E-00 2.3371E-00 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4371E-00 7.0068E-10 8.0114E-11 8.4153E-01 8.014E-11 8.4153E-01 4.1906E-02 1.1725E-01 0.4549E+00 7.5932E+00 3.3188E-01 7.5932E+00	
//ROASTSG //PDT INF //PDT	121 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-04 2.5780E-00 2.5780E-00 2.5026E-02 2.2040E-00 2.0425E-01 2.2040E-00 3.502E-16 2.2040E-00 3.502E-16 2.2040E-00 3.502E-16 2.2040E-00 3.502E-16 3.502E-16 3.502E-16 3.502E-16 3.502E-16 3.72980E-01 7.2980E-01	1=2  4.6512E-02  2.5885E-01  4.2687E-C4  4.1674E-02  2.5939E-00  2.5939E-00  2.3906E-02  2.292E-02  2.1114E-02  2.1114E-01  2.10065E-01  2.5914E-01  2.10065E-01	1=3 4.7979E-02 2.6702E-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 1.111E-01 1.1533E-02 1.1553E-01 1.1563E-03 1.1563E-03 1.563E-03 1.5745E-03 1.5745E-03 1.633E-03 1.633E	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.6774E-00 2.6778E-00 2.6778E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 3.1944E-02 3.1340E-C1 3.1946E-02 3.171E-00 6.8166E-00 6.8166E-01 6.5779E-01 1.6397E-02 -1.0849E-01 1.6397E-02 -1.0849E-01 9.8196E-02 2.4467E-01 9.8196E-02	1-5 4.1366E-02 2.3021E-01 2.7064E-04 2.7064E-04 2.3991E-00 2.3020E-00 2.3020E-00 2.3020E-00 3.4591E-02 1.3537E-01 3.4597E-01 3.4597E-01 2.2780E-00 2.4607E-01 2.2780E-00 1.6036E-00 2.6036E-00 2.6036E	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 2.3077E-00 3.1938E-01 2.4576E-01 2.6154	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.727E-02 2.1398E-01 2.7274E-03 1.6550E-01 5.5076E-02 2.7577E-01 2.3275E-00 6.3250E-01 1.3556E-01 4.1655E-01 7.6450E-01 7.6450E-01 7.6450E-01 7.6450E-01 7.6450E-01 7.6450E-01	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 2.3354E+00 2.4910E-01 2.3354E+00 2.3354E+00 2.3354E+00 2.3354E+00 2.3354E+00 2.3354E-02 1.2211E-02 2.3354E+00 2.3354E-02 1.2211E-02 2.3554E-00 2.3554E-00 2.3554E-00 2.3554E-00 2.3554E-00 2.3554E-00 2.3554E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4297E-01 2.4371E-00 7.0068E-10 8.4065E+01 8.4153E-01	
JADOSTSC JAPTINE JAPTI	121  4.6034E-02 2.5619E-01 4.2248E-04 4.1244E-02 2.5780E+00 2.5780E+00 2.5014E+00 2.5029E-02 2.244E-01 3.5032E-16 2.0425E-01 3.5032E-16 0.0425E-01 2.2940E+00 0.9412E+01 0.7412E-02 2.7413E-02	1=2  4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-02 2.5939E-00 2.5939E-00 2.3906E-00 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.4902E-00 2.3906E-01 2.5914E-01	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2625E-00 4.9808E-00 6.5901E-01 5.7416E-01 5.7416E-01 5.7416E-01 -5.8451E-01 -5.8451E-02 -1.0229E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0331E-02	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.405E-10 8.4153E-01	
VADASTSE VADINE VADINE VADINE CC	181 4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.3014E-00 9.0209E-02 0. 2.2940E-00 3.5032E-10 2.0425E-01 3.5032E-10 2.0425E-01 0. -2.0425E-01 0. -2.0425E-01 0. -7.2980E-01 2.2340E-00 0. -7.2980E-01 2.2576E-02 6.0727E+00 6.1747E-00 6.1747E-00 2.4165E-01 9.1142E-02 1.2226E-02 1.2226E-02 1.2226E-02 1.2326E-02 1.2326E-02 1.2326E-02 1.2326E-02 1.2326E-02 1.2326E-02 1.2326E-02 1.2326E-02 1.2326E-02	1=2  4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-02 2.5939E-00 2.5939E-00 2.3906E-00 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.4902E-00 2.3906E-01 2.5914E-01	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2625E-00 4.9808E-00 6.5901E-01 5.7416E-01 5.7416E-01 5.7416E-01 -5.8451E-01 -5.8451E-02 -1.0229E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0331E-02	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.405E-10 8.4153E-01	
//ROASTSG //POTINF //PTINF //P	4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.5780E-00 2.5780E-00 2.5014E-00 2.5014E-00 2.5026E-01 3.5032E-16 2.0425E-01 2.740E-00 0.9425E-01 2.740E-00 0.9425E-01 2.740E-00 0.9425E-01 2.740E-00 0.9425E-01 2.740E-01 0.9425E-01 0.9445E-01 0.9445E-01 0.9445E-01	1=2 4.6512E-02 4.2585E-01 4.2687E-C4 4.1674E-02 2.5939E-00 2.5939E-00 2.3906E-00 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.3906E-01 2.3914E-01 3.3908E-02 2.4877E-01 3.3908E-02 3.3908E-02 3.3908E-03	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2625E-00 4.9808E-00 6.5901E-01 5.7416E-01 5.7416E-01 5.7416E-01 -5.8451E-01 -5.8451E-02 -1.0229E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0331E-02	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.405E-10 8.4153E-01	
JAROASTSC TYPTINF TYPTINF TYPTINF TYPTINF TOTINF TO	121  4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-02 2.5780E+00 2.5780E+00 2.5014E+00 2.5014E+00 2.5029E-01 0.0029E-02 2.0425E-01 0.0029E-02 0.0029E-03 0.0029	1-2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-C0 2.5939E-00 2.3906E-00 -8.9164E-02 2.2922E-00 2.1116E-01 5.3501E-02 2.1782E-01 -2.6679E-03 9.3780E-02 -1.9661E-01 -2.6717E-01 -3.475E-00 -3.475E-00 -3.475E-00 -3.475E-01 -3.514E-01 -3.514E-01 -3.514E-01 -3.514E-01 -3.514E-01 -3.713TE-02 -3.713T	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2625E-00 4.9808E-00 6.5901E-01 5.7416E-01 5.7416E-01 5.7416E-01 -5.8451E-01 -5.8451E-02 -1.0229E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0331E-02	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.405E-10 8.4153E-01	
PAROASTSC PAPPINE PAPPINE PAPPINE  LIC KK	121  4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-02 2.5780E+00 2.5780E+00 2.5014E+00 2.5014E+00 2.5029E-01 0.0029E-02 2.0425E-01 0.0029E-02 0.0029E-03 0.0029	1-2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-C0 2.5939E-00 2.3906E-00 -8.9164E-02 2.2922E-00 2.1116E-01 5.3501E-02 2.1782E-01 -2.6679E-03 9.3780E-02 -1.9661E-01 -2.6717E-01 -3.475E-00 -3.475E-00 -3.475E-00 -3.475E-01 -3.514E-01 -3.514E-01 -3.514E-01 -3.514E-01 -3.514E-01 -3.713TE-02 -3.713T	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2625E-00 4.9808E-00 6.5901E-01 5.7416E-01 5.7416E-01 5.7416E-01 -5.8451E-01 -5.8451E-02 -1.0229E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0331E-02	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.405E-10 8.4153E-01	1=1
P/ROASTSC P/P INF P/P INF RHO I I I I I I I I I I I I I I I I I I I	1=1  4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-04 2.5780E+00 2.5780E+00 2.5014E-01 3.5032E-16 2.0425E-01 0. 2.2940E+00 0. 2.2940E+00 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 3.5032E-01 2.2956E-01 0. 2.2956E-01	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E-00 2.3006E-00 -8.9164E-02 2.922E-00 2.3472E-01 2.1782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.7922F-02 6.1364E-00 2.4877E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2625E-00 4.9808E-00 6.5901E-01 5.7416E-01 5.7416E-01 5.7416E-01 -5.8451E-01 -5.8451E-02 -1.0229E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0239E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0259E-01 -1.9536E-02 -1.0331E-02	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0. 2.3371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.405E-10 8.4153E-01	1=1
P/ROASTSC P/P INF P/P INF RHO I I I I I I I I I I I I I I I I I I I	1=1  4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-04 2.5780E+00 2.5780E+00 2.5014E-01 3.5032E-16 2.0425E-01 0. 2.2940E+00 0. 2.2940E+00 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 3.5032E-01 2.2956E-01 0. 2.2956E-01	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E-00 2.3006E-00 -8.9164E-02 2.922E-00 2.3472E-01 2.1782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.7922F-02 6.1364E-00 2.4877E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2862E-00 6.5962E-01 2.2862E-00 6.1157E-00 6.1157E-00 6.3862E-01 7.8195E-01 7.8195E-01	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0.23371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.4153E-01	1=1
PAROASTSC PAPENTEN PA	1=1  4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-04 2.5780E+00 2.5780E+00 2.5014E-01 3.5032E-16 2.0425E-01 0. 2.2940E+00 0. 2.2940E+00 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 2.2940E-01 0. 3.5032E-01 2.2956E-01 0. 2.2956E-01	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E-00 2.3006E-00 -8.9164E-02 2.922E-00 2.3472E-01 2.1782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.4782E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.7922F-02 6.1364E-00 2.4877E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01 6.3918E-02 2.7927E-01	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2862E-00 6.5962E-01 2.2862E-00 6.1157E-00 6.1157E-00 6.3862E-01 7.8195E-01 7.8195E-01	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2844E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.4910E-01 2.3154E-02 1.2211E-02 2.3154E-00 1.23154E-00 1.33164E-00 1.3516E-02 1.3226E-01 1.3216E-01 1.3216E-01	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0.23371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.4153E-01	1=1
PROASTSE POTINE CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	121  4.6034E-02 2.5619E-01 4.2248E-04 4.1246E-00 2.5780E+00 2.5780E+00 2.5014E+00 2.5014E+00 2.5029E-01 0.0029E-02 2.0425E-01 0.0029E-02 0.0029E-03 0.0029	1=2 4.6512E-02 2.5885E-01 4.2687E-C4 4.1674E-00 2.5939E-00 2.3006E-00 -8.9164E-02 2.922E-00 2.3425E-01 2.41782E-01 2.425E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5914E-01 2.5915E-01	1=3 4.7979E-02 2.670ZE-01 4.4034E-04 4.2989E-00 2.6417E-00 2.6417E-00 -9.1533E-02 2.25625E-00 -9.1533E-02 1.1515E-01 1.1515E-01 1.1515E-01 1.1525E-01 2.2862E-00 6.5962E-01 2.2862E-00 6.1157E-00 6.1157E-00 6.3862E-01 7.8195E-01 7.8195E-01	1-4 4.8882E-02 2.72C4E-C1 4.4882E-04 4.3768E-00 2.2778E-00 2.6774E-00 2.2771E-00 2.8115E-01 1.5882E-C1 3.1944E-02 3.1340E-C1 7.36C2E-02 2.2771E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.8166E-01 6.5796E-01 7.3676E-00 6.9731E-00	1-5 4-1366E-02 2-3021E-01 2-7064E-04 2-7064E-04 2-7064E-06 2-3020E-06 2-3020E-06 2-3020E-06 2-3571E-01 2-470E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4490E-01 3-4597E-01 2-2780E-06 2-603E-06 2-603E-06 1-603E-06 1-60	2.4692E-02 1.3741E-01 2.2661E-04 2.2124E-00 2.3174E-00 2.3174E-00 3.1738E-01 3.900E-01 1.790E-01 1.790E-01 1.7544E-01 2.8158E-01 2.8077E-00 6.3063E-01 2.8058E-01 2.8058E-01 2.8058E-01 2.3077E-00 6.3063E-01 2.8058E-01 2.3806E-01	1.7977E-02 1.0005E-01 1.6499E-04 1.6107E-00 2.3129E-00 2.1398E-01 2.7274E-01 6.7059E-02 2.711E-01 1.6550E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 2.3275E-00 6.3250E-01 7.603E-02 7.757E-01 2.3756E-00 6.3250E-01 7.603E-01 7.603E-01 7.603E-01 7.7603E-01 7.7603E-01 7.7604E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00 7.3764E-00	1.5966E-02 8.8521E-02 1.4558E-04 1.4525E-00 1.2444E+00 2.3439E+00 2.3439E+00 2.4910E-01 3.7244E-02 2.3354E+00 2.3435E-02 1.2211E-02 2.355E-02 1.2211E-02 2.355E-03 2.3	1.5614E-02 8.697E-02 1.4330E-04 1.3990E+00 1.3990E+00 2.3475E+00 1.0270E-01 0.23371E+00 2.3371E+00 2.4297E-01 3.4296E-10 8.4153E-01	

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				ZET#= 3.CO					1=9	
	I=1	I=2	l=3	[=4	I = 5	I=6	1=7	1=8		1=10
P P/RDASTSC	4.6372E-02 2.5807E-01	4.6861E-02 2.6075E-01	4.8396E-02 2.6934E-01	4.9395E-02 2.7489E-01	4.1462E-02 2.3075E-01	2.4140E-02 1.3435E-01	9.8189E-02	1.5845E-02 8.8182E-02	1.5638E-02 8.7027E-02	
P/PTINF P/PINF	4.2558E-04 4.1549E+00	4.30C7E-04	4.4417E-C4 4.3363E+00	4.5333E-04 4.425BE+C0	3.8052E-C4 3.7150E+C0	2.2155E-04 2.1630E+00	1.6192E-04 1.58C8E+00	1.45426-04	1.4352E-04 1.4011E+00	
RHO	2.5915E+00	2.6075E+00	2.6578E+00	2.6974E+CO	2.3993E+00	1.6663E+00	1.3615E+00	1.27896+00	1.2718E+00	
U V	2.3018E+00 -6.8025E+02	2.3010E+00 -6.7136E-02	2.2989E+00 -6.9531E-C2	2.2981E+00 -7.1751E-C2	2.3022E+00 -7.3265E-C2	2.3176E+00 -5.9352E-02	2.3334E+00 -6.6257E-02	2+3446E+00	2.3484E+00 -7.6966E-02	
W UC	0. 2.2929E+00	-2.5887E-02 2.2909E+03	-3.2330E-02	9.C459E-03 2.2748E+00	1.3669E-01 2.2756E+C0	2.4793E-01 2.3069E+00	2.1865F-01	1.2114E-01 2.3352E+00	0. 2.3370E+00	
VC	2.1338E-01	2.2063E-01	2.4215E-01	2.9386E-C1	2.5661E-01	3.2453E-01	2.7502E-01	2.5080E-01	2.4409E-01	
WC VCC	3.6597E-16 2.1338E-01	5.3979E-02 2.2702F-01	1.1142E-01 2.6655E-01	1.6040E-01 3.2289E-C1	1.3669E-01 3.5661E-01	9.4750E-02 2.6598E-01	7.2370E-02 2.2406E-01	3.9691E-02 2.3357E-01	1.8407E-11	<b></b>
WCC	0.	-7.6777E-C3	-4.3590E-04	3.5569E-02	1.3669E-01	2.0868E-C1	1.7513E-01	5-9620E-02	2.4409E-01 4.3952E-12	
VX VY	0. -2.1338E-01	5.6101E-02 -2.0580E-01	-1.7151E-01	2.2520E-01 -7.9525E-02	1.5661E-C1 1.3669E-01	1.7592E-01 2.8870E-01	2.7962E-01	40-33/46-04	-2.8628E-11 2.4409E-01	
VZ PS I NOR	2+2929E+00 0+	2.2909E+00 2.4021E+00	2.2847E+00	2.2748E+00 8.1359E+00	2.2756E+00 8.5063E+00	2.3069E+00 4.3607E+00	2.3272E+00 1.2756E+00	2.3352E+00 2.4892E-01	2.3370E+60 -7.0188E-10	
THETNOR	8.4683E+01	8.48716+01	8.57248+01	8.8018E+01	8.6604E+01	8.2887E+01	8.31 50E+01	8.3799E+01	8.4D37E+01	
XBAR XBHLD	0. C.	3.3419E-01 2.3609E-01	6.5474E-01 6.1913E-01	9.3057E-C1 6.3841E-C1	1.0746E+¢0 1.0298E+00	9.5492E-01 6.5079E-01	6.8026E-01 3.5538E-01	3.4951E-01 4.5094E-02	-7.7525E-11 -7.7525E-11	
YBAR YBHLD	-6.9728E-01	-6.6111E-01	-5.4853E-01 -5.6104E-01	-3.3577E-C1	-2.2027E-11	3.5755E-01 6.1362E-01	6.0161E-01 7.34C4E-01	7.3644 E-01 7.7517E-01	7.8090E-01 7.8090E-01	
ETA	1-6932E-32	1-62756-02	1.4740E-02	1.2258F-C2	1-2724F-02	1.7895F-02	2-4899F-02	2.9587E-02	3.1430E-02	
G DEONS	-7.1934E-02 6.0167E+00	-7.1764E-02 6.0637E+00	-7.6200E-02 6.2332E+00	-7.5864E-02 6.6916E+00	-9.5031E-02 7.6605E+00	-9.9148E-02 7.2053E+00	-9.9334E-02	-8.9431E-02 6.4271E+00		
AM	6.1574E+00	6.1523E+00	6.1068E+00	6.C872E+C0	6.2885E+00	6.9398E+00	7.3784E+CO	7.56C2E+00	7.5914E+00	
CPOSSP SBAR	1.8218E-01 9.1142E-02	1.9229E-01 9.3016E-02	2.0358E-C1 9.8513E-02	1.9146E-01 9.8224E-02	4.2265E-01 8.7139E-02	7.5882E-01 5.6625E-02	7.1900E-01 2.5968E-02	4.5670E-01 6.0435E-03	2.4866E-01 7.0168E-04	
POROGAM PT/PTINE	1.2226E-02 7.9624E-01	1.2249E-G2 7.9252E-01	1.2316E-02	1.2313E-02 7.8227E-01	1.2177E-02 8.0425E-01	1.1811E-02 8.6800E-01	1.1454E-02	1.1228E-02 9.8500E-01	1.1169E-02	
PT	8.6759E+01	8.6353E+01	8.5175E+01	8.52368+01	8.7631E+01	9.45786+01	1.0211E+02	1.0733E+02	9.9825E-C1 1.0877E+02	
BERNOUL DPD 7	2.1826E-10 -2.9384E-03	-8.0667E-G6	-3.3984E-05 -3.6720E-03	-1.8110E-C6	4.0506E-04	-7.8116E-05 6.1366E-03	-2.7993E-04 3.57C9E-03	-1.3631E-05	6.3976E-C9 -1.6201E-04	
DUDZ	-3.8393E-03	-3.55848-03	-3.3432E-03	-2.9263E-03	-1.8334E-03	-4.7006E-04	-2.6477E-03	-6.CO42E-03	-8.0634E-03	
DVDZ Dwo Z	-2.7553E-15	-4.56126-03	-2.2212E-01 -1.7862E-03	-3.88CQE-Q2	-1.5237E-02	-5.5258E-Q2	-4.5212E-02	-2.2835E-0Z	-2.6426E-12	
DSBDZ PP	-1.3137F-30	-1.5754F-03	-1-425RF-03	-7.7CF3F-04	-2-27765-02	-R. 8724F-02	-8-7050F-02	-2-0310F-02	-0.5936F-26	
UP	-5.82608-15	-3.03E4E-C2	3.7710E-02 -3.5437E-02 -4.7442E-02	1.5210E-C2	1.8116E-01	3.03398-01	2.5513E-01	1.3968E-01	-4.3256E-13	
WP WP	3.3086E-15	-1.114CE-C2	-4.7442E-02	-5.6391E-C2 1.6148E+C0	1.4364E-01 2.4861E+00	8.7150E-02 8.1407E-01	-1.6053E-01 -1.3143E+00		1.6871E-14	• •
SBARP		8.0502E-02		-8.1769E-C2	-3.6973E-C1	-5.9481E-01	-4.7655E-01	-2.2655E-01	3.3285E-15	
				ZETA= 2.000						
	1=1	1=2	1-3			1=6	1=7	1=8	1=9	I=10
P	4.6620E-02	4.7114E-02	1=3 4.8710E-02	ZETA= 2.006 E=4 4.9786E-C2	1=5 4-1419E-02	1=6 2.3457E-02	I = 7 1 • 7262E-02	I=8 1.5761E-02	1.5649E-02	
P P/ROASTSC P/PTINF	4.6620E-02 2.5945E-01 4.2787E-04	4.7114E-02 2.6220E-01 4.3240E-C4	1=3 4.8710E-02 2.7108E-01 4.47C5E-04	ZETA* 2.000 1:4 4.9786E-C2 2.77C7E-C1 4.5692E-04	1=5 4.1419E-02 2.3051E-01 '3.8013E-04	I=6 2.3457E-02 1.3054E-01 2.1528E-04	I=7 1.7262E-02 9.6067E-02 1.5843E-04	1=8 1.5761E-02 8.7716E-02 1.4465E-04	1.5649E-02 8.7089E-02 1.4362E-04	
P/PTINF P/PINF	4.6620E-02 2.5945E-01 4.2787E-04 4.1772E+00	4.7114E-02 2.6220E-01 4.3240E-64 4.2215E+60	1=3 4.8710E-02 2.7108E-01 4.47C5E-04 4.3644E+00	ZETA= 2.000 1=4 4.9786E-C2 2.77C7E-C1 4.5692E-O4 4.4608E+OC	1×5 4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E+00	1=6 2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00	I=7 1.7262E-02 9.6067E-02 1.5843E-04 1.5467E+00	1=8 1.5761E-02 8.7716E-02 1.4465E-04 1.4122E+00	1.5649E-02 8.7089E-02 1.4362E-04 1.4021E+00	
P/PT[KF P/P[NF RHO U	4.6620E-02 2.5945E-01 4.2787E-04 4.1772E+00 2.6014E+00 2.3021E+00	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E+G0 2.6172E+00 2.3013E+00	1=3 4.8710E-02 2.7108E-01 4.47C5E-04 4.364E+00 2.6698E+00 2.2992E+00	ZETA= 2.000 I=4 4.9786E-C2 2.77C7E-C1 4.5692E-04 4.4608E+00 2.7126E+00 2.2924E+00	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E+00 2.3932E+00 2.3033E+00	1=6 2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 2.3175E+00	I=7 1.7262E-02 9.6067E-02 1.5843E-04 1.5467E+00 1.3293E+00 2.3334E+00	I=8 1.5761E-02 6.7716E-02 1.4465E-04 1.4122E+00 1.2657E+00 2.3450E+00	1.5649E-02 6.7089E-02 1.4362E-04 1.4021E+00 1.2724E+00 2.3491E+00	
P/PTINF P/PINF RHO U V	4.6620E-02 2.5945E-01 4.2787E-04 4.1772E+00 2.6014E+90 2.3021E+00 -4.5648E-02	4.7114E-02 2.6220E-01 4.3240E-64 4.2215E+60 2.6172E+00 2.3013E+00 -4.4565E-02 -2.5452E-02	1=3 4.8710E-02 2.7108E-01 4.47C5E-04 4.3644E+00 2.6696E+00 2.2992E+00 -4.7064E-02 -3.23C6E-02	ZETA= 2.000 I=4 4.5786E-C2 2.77C7E-C1 4.5652E-04 4.4608E+00 2.7126E+00 2.29E4E+00 -4.8758E-C2 1.3331E-C2	1=5 4-1419E-02 2-3051E-C1 3-8013E-04 2-7112E+00 2-3932E+00 2-3023E+00 -5-0449E-02	I=6 2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 2.3175E+00 -4.0048E-02 2.5424E-01	I=7 1.7262E-02 9.606TE-02 1.5843E-04 1.5567E+00 2.3334E+00 -4.4353E-02 2.2268E-01	I=8 1.5761E-02 8.7716E-02 1.4465E-04 1.4122E+00 1.2657E+00 2.3450E+00 4.9192E-02	1.5649E-02 8.7089E-02 1.4362E-04 1.4021E+00 1.2724E+00 2.3491E+00 -5.1610E-02	
P/PTIKE P/PINE RHO U V N UC	4.6620E-02 2.5945E-01 4.2787E-04 4.1772E-00 2.6014E-90 2.3021E-00 -4.5648E-02 2.2918E+00	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E+00 2.6172E+00 2.3013E+00 -4.4565E-02 -2.5452E-02 2.2897E+00	1=3 4.8710E-02 2.7108E-01 4.47C5E-04 4.3644E+00 2.6698E+00 -2.992E+00 -4.7064E-02 -3.23C8E-02 2.2822E+00	ZETA= 2.000 [#4 4.9786E-C2 2.77CTE-C1 4.5662E-O4 4.4608E+O0 2.7126E+O0 -4.8758E-C2 1.3331E-C2 2.2724E+C0	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 2.7112E+00 2.3023E+00 -5.0449E-02 1.3842E-01 2.2771E+00	I=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 -4.0048E-02 2.5424E-01 2.3066+00	I=7 1.7262E-02 9.6067E-02 1.5863E-04 1.5467E+00 1.3293E+00 -4.4353E-02 2.2268E-01 2.327E+00	I=8 1.5761E-02 6.7716E-02 1.4465E-04 1.4122E+00 1.2657E+00 -3.450E+00 -4.9192E-02 1.2304E-01 2.3348E+00	1.5649E-02 8.7089E-02 1.4362E-04 1.4021E+00 1.2724E+00 2.3491E+00 -5.1610E-02 0.3369E+00	
P/PTINF P/PINF RHO U V H UC VC WC	4.6620E-02 2.5945E-01 4.2787E-04 4.1772E+00 2.6014E+00 -4.5649E-02 9. 2.2918E+00 2.2269E-01 3.8195E-16	4.7114E-02 2.6220E-01 4.3240E-04 4.2215E+00 2.6172E+00 2.3013E+00 -4.4565E-02 -2.5442E-02 2.3024E-01 5.4440E-02	1-3 4.8710E-02 2.7108E-01 4.4765E-04 4.3644E+00 2.6698E+00 -2.992E+00 -4.7064E-02 -3.23CE-02 2.2832E+30 2.532ZE-01	ZETA= 2.004 I=4 4.9786E-C2 2.77C7E-C1 4.5662E-O4 4.4600E+OC 2.7126E+OO -2.2924E+OO -4.8758E-C2 1.3331E-C2 2.2724E+CO 3.0722E-O1 1.6466E-O1	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 2.7112E+00 2.3932E+00 -5.0449E-02 1.3842E-01 2.2731E+00 3.6941E-01	1=6 2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 -4.0048E-02 2.5424E-01 2.3060E+00 3.2993E-01	I = 7 1.7262E-02 9.6067E-02 1.5843E-04 1.5467E+00 1.3293E+00 -4.4353E-02 2.2288E-01 2.3267E+00 2.7751E-01 7.6627E-02	I=8  1.5761E-02 8.7716E-02 1.4465E-04 1.4122E+00 1.2657E+00 -3.450E+00 -4.9192E-02 1.2304E-01 2.5323E-01 4.1558E-02	1.5649E-02 8.7089E-02 1.4342E-04 1.4021E+00 1.2724E+00 2.3491E+00 -5.1610E-02 0. 2.3369E+00 2.484E-01 1.8407E-11	
P/PTINF P/PINF RHO U V H UC VC VC VC	4.6620E-02 2.5945E-01 4.2787E-04 4.1772E+00 2.6014E+00 -4.5649E-02 0. 2.2918E+00 2.2269E-01 3.8195E-16 2.2269E-01	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E+C0 2.6172E+00 2.3013E+00 -4.4565E-02 -2.54:2E-C2 2.2897E+00 2.3024E-01 5.4410E-02 2.3628E-C1	1=3 4.8710E-02 2.7108E-01 4.4765E-04 4.3644E-00 2.2952E-00 2.2952E-02 2.2032E-02 1.1143E-01 2.7651E-01	ZETA= 2.000  1:4 4.5786E-C2 2.7747E-C1 4.5652E-04 4.4008E-00 2.7126E-00 2.724E-00 2.331E-C2 2.2724E-01 1.6466E-01 1.6466E-01	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 2.3192E-00 2.3932E-00 2.3023E-00 2.392E-00 2.392E-01 1.3842E-01 1.3842E-01 1.3842E-01	1=6 2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 2.3175E+00 2.3175E+00 2.4.5048E-02 2.5424E-01 2.3006E-01 1.0108E-01 2.45595E-01	1=7 1,7262E-02 9,6067E-02 1,5843E-04 1,5467E-00 2,3334E-00 2,2334E-00 2,751E-01 7,647E-02 2,227E-01	1-8 1.5761E-02 2.7716E-02 1.4465E-04 1.4122E-04 1.4122E-02 -1.2304E-01 2.3348E-01 4.5768E-02 2.3231E-01	1.5649E-02 8.7089E-02 1.4322E-04 1.4021E+00 1.2724E+00 2.3491E+00 -5.1610E-02 0. 2.3369E+00 2.4484E-01 2.4484E-01 2.4486E-01	
P/PTINF P/PINF RHO U V W UC VC WC VCC WCC VX	4.6620E-02 2.5945E-01 4.2787E-04 4.177E+00 2.6014E+00 -4.5649E-02 0.3021E+00 2.2918E+00 2.2969E-01 3.8195E-16 2.2269E-01 0.	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E+C0 2.6172E+C0 2.3013E+00 -4.4965E-02 -2.5412E-C2 2.2897E+00 2.3024E-01 5.4410E-02 2.3628E-C1 -1.1982E-02 9.8404E-02	1=3 4,8710E-02 2.7108E-01 4.47C5E-04 4.364E-00 2.2992E-00 -4.7064E-02 2.2832E-00 1.1143E-01 2.7651E-01 -8.9843E-03 2.0878E-01	ZETA- 2.000  I=4  4.5786E-C2 2.7747E-C1 4.5662E-02 2.7126E-00 2.2924E-00 -4.8758E-C2 2.2724E-C0 3.0722E-01 1.6466E-01 3.417E-01 3.1180E-02 3.33755E-01	1=5 4.1419E-02 2.3051E-04 3.7112E-00 2.392E-00 2.392E-00 2.392E-00 2.392E-01 2.271E-00 3.694E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 2.3175E+00 -4.0048E-02 2.3424E-01 2.3060E-00 1.0108E-01 1.0108E-01 2.1599E-01 2.1599E-01 2.1599E-01	I=7 1-7262E-02 9.6067E-02 9.6067E-02 1.5063E-04 1.5467E-00 2.3334E-00 2.3334E-00 2.3267E-00 7.6627E-02 2.2072E-01 1.8484E-01 1.900E-02	1=8  1.5761E-02 6.7716E-02 1.445E-02 1.445E-02 1.4122E-00 1.2657E-00 -4.9192E-02 -1.2304E-01 2.3348E-00 4.9154E-02 2.3348E-01 1.0605E-01 1.0505E-01 1.0505E-01	1.5649E-02 8.7089E-02 1.4322E-04 1.4021E+00 1.2724E+00 -5.1610E-02 0.349E+00 2.349E+00 2.4488E-01 1.8407E-11 2.4484E-01 3.1901E-12 2.8659E-11	
P/PTINF P/PINF RHO U V VC VC WC VCC VCC VX VY VX	4.6620E-02 2.5945E-01 4.2787E-04 4.177E+00 2.6014E+00 -4.5649E-02 0.3021E+00 2.2918E+00 2.2969E-01 3.8195E-16 2.2269E-01 0.	4.7114E-02 2.6220E-01 4.3240E-04 4.2215E+00 2.6172E+00 2.3013E+00 -4.455E-02 -2.542E-02 2.3024E-01 -1.1982E-02 2.3628E-01 -1.1982E-02 -2.1514E-01 2.307E+00	1-3 4,8710E-02 2.7108E-01 4,47C5E-04 4.364E-00 2.6668E-00 2.2992E-00 -4.7064E-02 2.2832E-00 1.1143E-01 2.7651E-01 -8.9843E-03 2.0878E-01 -1.8152E-01 -1.8152E-01	ZETA- 2.000  I=4  4.5786E-C2 2.7767E-C1 4.5662E-00 2.7126E-00 2.726E-00 3.0722E-01 1.6466E-01 3.11160E-02 3.3735E-01 -E.530E-02 2.2724E+00	1=5 4-1419E-02 2.3051E-C1 3.8013E-04 2.3052E+00 2.3052E+00 2.3052E+00 2.3052E+00 2.4049E-02 2.2711E-00 3.6941E-01 1.3842E-01 2.6941E-01	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 2.3175E+00 -4.0048E-02 2.3424E-01 2.3060E+00 3.2993E-01 1.0108E-01 2.1999E-01 2.1999E-01 2.7504E-01 2.7702E-01	I=7  1-7262E-02 9.606TE-02 9.606TE-02 1.5843E-04 1.5943E-00 1.3293E-00 2.3334E-00 2.3334E-00 2.326TE-00 7.662TE-02 2.2072E-01 1.8484E-01 1.9306E-02 2.8306E-01 2.3267E-00	1=8  1.5761E-02 6.7716E-02 1.4465E-04 1.412E-00 1.2657E-00 2.3450E+00 2.3450E+00 2.3346E-01 2.3346E-01 1.2534E-01 1.0605E-01 1.0605E-01 2.3348E-00	1.5649E-02 6.7069E-02 1.4342E-04 1.4021E+00 1.2724E+00 -3.491E+00 -5.1610E-02 0. 2.4484E-01 2.4484E-01 3.1901E-12 -2.8659E-11 2.4464E-01 2.4464E-01 2.4366E-01 2.4366E-01	
P/PTINF P/PINF RHO U V W UC VC WC VCC WCC VCC VCC VCC VCC VCC VCC	4.6620E-02 2.545E-01 4.2787E-04 4.1772E-02 2.8014E-00 -4.5648E-02 0.2298E-01 3.2198E-16 2.2269E-01 0.0.00	4.7114E-02 2.6220E-01 4.3240E-04 4.2215E-60 2.6172E-00 -4.4565E-02 2.25472E-02 2.3024E-01 5.4410E-02 2.3628E-01 -1.1982E-02 9.8404E-02 2.4567E-00 2.4567E+00	1=3 4.8710E-02 2.7108E-01 4.4765E-04 4.364E-00 2.6698E-00 2.7972E-00 2.532E-01 2.1143E-01 2.1143E-01 2.7651E-01 2.7651E-01 2.7851E-01 2.7851E-01 2.89843E-03 2.0878E-03	ZETA- 2.000  I=4  4.5786E-C2 2.7767E-C1 4.5652E-C4 4.4608E-00 2.7248E-00 2.7248E-00 3.0722E-01 3.4717E-01 3.1180E-02 3.3755E-02 2.2724E-00 2.2724E-00 2.2724E-00 2.2724E-00	1=5 4.1419E-02 2.3051E-C1 3.8013E-C1 2.392E-00 2.392E-00 2.392E-00 2.392E-00 3.694E-01 2.6731E-00 3.694E-01 2.694E-01 2.694E-01 2.694E-01 2.694E-01 2.694E-01 2.694E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 2,3175E+00 2,3175E+00 3,2993E-01 2,4068E-02 2,5424E-01 2,4099E-01 1,0108E-01 2,6585E-01 1,7564E-01 2,9702E-01 2,9702E-01 2,3000E+00	1-7 1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.733E-02 2.2268E-01 2.3267E-02 2.7275E-01 1.644E-01 4.9030E-02 2.8369E-01 2.3267E-00	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.33450E+00 2.33450E+00 2.3323E-01 1.0605E-01 8.5736E-03 2.5559E-01 2.3348E-00 2.1039E-01	1.5649E-02 6.70 59E-02 1.43 22E-04 1.40 21E 400 1.27 24E 400 5-1610E-02 0. 2.33 49E 400 2.44 84E-01 1.40 7E-11 2.44 84E-01 2.28 59E-10 2.33 65 9E-0 2.33 65 9E-0 2.33 65 9E-0 2.33 65 9E-0	
P/PIINF P/PINF RHO U V H UC VC WC VCC WC VC YC	4.6620E-02 2.5545E-01 4.2787E-04 4.1772E+00 2.6014E+70 2.3021E+00 2.2269E-01 3.219EE+00 0. 0. 0. 0. 0. 2.2218E+00 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	4.7114E-02 2.6220E-01 4.3240E-64 4.2215E-60 2.6172E-00 -4.4565E-02 2.3613E-00 -4.4565E-02 2.3624E-01 5.4410E-02 2.3628E-01 -1.1982E-02 9.2657E-00 2.2657E-00 2.4668E-60 8.4637E-41 3.2796E-01	1=3 4.8710E-02 2.7108E-01 4.4765E-04 4.364E-00 2.6698E-00 2.2972E-00 2.532E-01 2.1143E-01 2.1143E-01 2.1815E-01 2.832E-00 6.5246E-00 6.5473E-01 6.4243E-01	ZETA- 2.000  I=4  4.5786E-C2 2.7747E-C1 4.5652E-C4 4.4608E-00 2.7126E-00 2.7248E-00 3.0722E-01 3.4717E-01 3.1180E-02 3.375E-02 2.7248E-00 6.7812E-01 6.4551E-00 6.7812E-01	1=5 4.1419E-02 2.3051E-C1 3.8013E-C1 2.392E-00 2.392E-00 2.392E-00 2.392E-00 2.392E-01 2.694E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 1,6207E+00 2,3175E+00 3,2793E-01 1,0108E-01 2,4508E-02 2,5424E-01 1,0108E-01 2,0508F-00 1,27564E-01 2,3000E+00 4,3557E+00 8,2602E+01 9,2897E-01	1-7 1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.7334E-00 2.735E-02 2.2268E-01 2.3267E-01 2.3267E-02 2.2072E-01 1.8448E-01 4.903E-02 2.8369E-01 2.3267E-00 1.2072E+00 6.3050E-01	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.33450E+00 2.33450E+00 2.3323E-01 1.0605E-01 6.5736E-03 2.5559E-01 2.3348E+00 2.139E-01 2.3348E+00	1.5649E-02 6.7069E-02 1.4362E-00 1.4362E-00 1.2726E-00 2.3491E-00 2.3491E-00 2.4466E-01 2.4466E-01 2.466E-01 2.466E-01 2.3369E-00 2.466E-01 2.3369E-00 2.3369E-00 0.7.0267E-00 0.7.0267E-00	
P/PIINF P/PINF RHO U V H UC VC WC VCC WC VY VY VY PSINOR THETNCR XBAR XBHLO	4.6620E-02 2.5545E-01 4.2787E-04 4.1772E+00 2.8014E+00 2.3021E+00 0.4.5648E-02 2.2918E+00 0.22269E-01 0.0 0.22269E-01 0.0 0.8.4450E+01 0.0	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E+00 2.3013E+00 2.3013E+00 2.3024E-01 2.2857E+00 2.3024E-01 2.1542E-02 2.362E-C1 1.1592E-02 9.8404E-02 2.3657E+00 2.3024E-01 2.2657E+00 2.3024E-01 2.367E+01 2.367E+01 2.367E+01 2.46CB+C0 8.4637E+11 3.2796E+01 2.999E-01	1-3 4.8710E-02 2.7108E-01 4.4765E-04 4.364E-00 2.2975E-00 2.4098E-00 2.2975E-00 2.5322E-01 2.1143E-01 2.1143E-01 2.18152E-01 2.2832E-00 5.2246E-02 6.5473E-01 5.9772E-01 5.9772E-01 5.9772E-01 5.9772E-01	ZETA- 2.000  I=4  4.9786E-C2 2.7747E-C1 4.45672E-04 4.4608E-00 2.7924E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.1160E-02 3.375E-02 2.7724E-00 6.7672E-01 6.1673E-01 6.1673E-01 6.1673E-01 6.1673E-01 6.1673E-01	1=5 4.1419E-02 2.3051E-C1 3.8013E-C1 3.7112E-00 2.3932E-00 2.3932E-00 2.3932E-01 2.2731E-00 3.6941E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 2.3175E+00 4.0048E-02 2.5424E-01 2.3060E+00 3.2993E-01 1.0108E-01 2.1558E-01 2.1599E-01 2.17564E-01 2.3702E-04 4.3557E+00	I=7  1.7262E-02 9.606TE-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.4333E-02 2.2208E-01 2.3207E-00 1.662TE-02 2.2072E-01 1.8464E-01 2.3207E-00 1.2072E-00 1.2072E-00	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.33450E+00 2.33450E+00 2.3323E-01 1.0605E-01 6.5736E-03 2.5559E-01 2.3348E+00 2.139E-01 2.3348E+00	1.5649E-02 6.7069E-02 1.4322E-00 1.2724E-00 2.3491E-00 5.1610E-02 0.3491E-00 2.3498E-01 1.8407E-11 2.4464E-01 3.1901E-12 2.3469E-01 2.3469E-01 2.3469E-01 0.7.0267E-10 0.4019E-10	
P/PIINF P/PINF RHO U U UC VC WC VCC WC VY VY VZ PSINOR THETNCR XBAR XBHLD YBAR YRHLD	4.6620E-02 2.5945E-01 4.2787E-04 4.1772E+00 2.3021E+00 -4.5648E-02 2.2269E-01 3.2195E-10 0. -2.2269E-01 0. -2.2269E-01 0. -2.2269E-01 0. -2.2269E-01 0. -4.6441E-01	4.7114E-02 2.6220E-01 4.3240E-(4 4.2215E+00 2.3013E+00 2.3013E+00 2.3024E-01 5.4410E-02 2.3024E-01 5.4410E-02 2.362EE-01	1=3  4.8710E-02 2.7108E-01 4.4765E-04 4.364E-00 2.2962E-00 2.2962E-00 2.5322E-01 1.11-3E-01 2.7651E-01 -8.9843E-03 2.0878E-02 2.2822E-00 1.8152E-01 -1.8152E-01 -2.822E-01 -1.852E-01 -3.9772E-01 -5.9772E-01 -5.9772E-01	ZETA= 2.000  1=4  4.9786E-C2 2.7747E-C1 4.5692E-04 4.4608E-00 2.7126E-00 2.724E-00 3.0722E-01 1.4646E-01 3.4717E-01 3.1180E-02 2.37355E-01 -2.5380E-02 2.37355E-01 -2.5380E-02 8.49872E-01 9.1277E-01 9.1277E-01 3.1197E-01	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3024E-01 1.3842E-01 2.2731E-00 2.2338E-00 4.2338E-00 4.2338E-00 4.2475E-01 2.7785E-11 2.0339E-01	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 1.6207E+00 2.3175E+00 2.3175E+00 3.2993E-01 1.0108E-02 2.55426E-01 2.1999E-01 1.7564E-01 2.1999E-01 1.7564E-01 2.3000E+00 4.3557E+00 4.3557E+00 4.3557E+00 4.3557E+00 4.3557E+00 4.3557E+00	I=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E+00 1.3293E+00 2.3334E+00 2.7334E-02 2.2288E-01 2.3267E-02 2.7151E-01 1.6464E-01 1.9030E-02 2.3267E-01 2.3267E-01 2.3267E-01 1.8464E-01 1.2072E-00 1.2072E-00 1.2072E-01 6.5941E-01 1.8905E-01 5.5824E-01	1-8  1.5761E-02 e.7716E-02 1.4465E-04 1.412E-00 1.2657E-00 2.3450E+00 2.3450E+00 2.323E-01 4.912E-02 1.2304E-01 2.334E-01 1.0605E-01 1.0605E-01 2.334E-01	1.5649E-02 6.7069E-02 1.4342E-04 1.4342E-00 1.2724E-00 1.2724E-00 5.1610E-02 0.349E-01 1.8407E-11 2.4464E-01 3.1901E-12 2.3469E-01 2.3469E-01 7.0267E-10 6.4019E-10 7.4943E-11 7.4943E-11 7.4945E-01	
P/PIINF P/PINF RHO U V H UC VC WC VCC WCC VCC WCC VX VY VZ PSINOR IHETNCR XBAR XBHLD VBAR VRHLD ETA	4.6620E-02 2.5545E-01 4.2787E-04 4.1772E+00 2.8014E+70 2.3021E+00 2.2268E-01 3.205E-01 3.205E-01 0. 0. 0. 2.2218E+00 0. 8.4450E+01 0. 0. 0. 0. 6.456481E-01	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E+00 2.3013E+00 2.3013E+00 2.305E-02 -2.5412E-C2 2.2867E+00 2.3024E-01 1.1982E-02 9.8404E-02 2.362EE-C1 2.2657E+00 2.3057E+00 2.3057E+00 2.3057E+00 2.3057E+00 2.406E+C0 8.4037E+C1 2.4057E+01 2	1=3 4.8710E-02 2.7108E-01 4.4765E-01 4.4765E-01 2.6698E+00 2.2972E+00 2.5322E-01 2.7651E-01 2.7651E-01 2.7832E-02 2.8322E-03 2.0878E-03 2.0878E-03 2.0878E-03 2.0878E-03 5.9772E-01 5.9848E-03 5.9772E-01 5.9821E-01 5.9821E-01	ZETA- 2.000  I=4  4.9786E-C2 2.7777E-C1 4.45672E-C4 4.4608E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.1180E-02 2.37345E-02 2.2724E-00 8.7812E-01 9.1277E-01 6.1673E-01 -5.310E-C1 -5.310E-C1 -5.310E-C1 -5.310E-C1 -5.310E-C1	1=5 4.1419E-02 2.3051E-C1 3.8013E-C1 2.392E-00 2.392E-00 2.392E-00 2.392E-00 2.392E-00 2.494E-01 2.694E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 2,3175E+00 2,3175E+00 3,2993E-01 2,4508E-02 2,5424E-01 1,0108E-01 2,0508E-01 2,0508F-00 1,7564E-01 2,3000E+00 8,2602E+01 9,2897E-01 4,9840E-01 6,1956E-01 1,1956E-01 1,1956E-01	1-7 1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.733E-02 2.2268E-01 2.3267E-02 2.731E-01 2.3267E-02 2.2072E-01 1.844E-01 4.9030E-02 2.3267E-00 1.2072E+00 6.3050E-01 1.8905E-01 1.8905E-01 1.8905E-01	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.33450E+00 2.33450E+00 2.3323E-01 2.3348E-01 2.3348E-00 2.1323E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3478E-02 2.3271E-01 1.33815E-01 2.3478E-02 2.3271E-01 1.33815E-01 2.3478E-02 2.3278E-02 1.3478E-01 1.34815E-01 1.34815E-01 1.34815E-01 1.34815E-01	1.5649E-02 6.7069E-02 1.4362E-02 1.4362E-02 1.2724E+00 2.3491E+00 0.2491E+00 2.3369E+00 2.4486E-01 2.4468E-01 2.4468E-01 2.3369E+00 0.7062E-10 0.7062E-10 0.4019E-01 1.7069E-10 1.7069E-10 1.7069E-10 1.7069E-10 1.7069E-10	
P/PIINE P/PINE RHO U V W UC WC WCC WCC VCC VCC VCC VCC VCC VCC VCC	4.6620E-02 2.5745E-01 4.7787E-04 4.1772E+00 2.0014E+70 2.3021E+00 2.2269E-01 3.8195E-10 2.2269E-01 0.0 0.8.4450E+01 0.0 0.8.4450E+01 0.0 0.4.5481E-01 1.1288E-02 -4.7399E-02 5.3107E+00	4.7114E-02 2.6220E-01 4.3240E-(4 4.2215E+00 2.3013E+00 2.3013E+00 2.3024E-01 2.404E-02 2.3024E-01 2.404E-02 2.404E-02 2.404E-01 2.404E-02 4.7142E-02 4.7142E-02 4.7142E-02 5.944EE+00	1=3 4.8710E-02 2.7108E-01 4.4765E-01 4.4765E-01 2.6698E+00 2.2972E+00 2.592E-01 2.7651E-01 2.1815ZE-01 2.8984ZE-03 2.0818E-01 2.1815ZE-01 2.823ZE-01 5.246E+00 6.5473E+01 5.977ZE-01 5.38ZE-01 5.977ZE-01 5.38ZE-01 5.977ZE-01 5.38ZE-03 5.977ZE-01 5.38ZE-03 5.977ZE-01 5.38ZE-03 5.977ZE-01 5.38ZE-03 5.977ZE-01 5.38ZE-03 5.977ZE-01 5.38ZE-03 5.97ZE-03	ZETA- 2.000  I=4  4.5786E-C2 2.7777E-C1 4.45672E-C4 4.4608E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.1180E-02 3.3755E-02 2.2724E-00 8.7812E-01 6.1673E-C1 5.3170E-01	1=5 4.1419E-02 2.3051E-C1 3.8013E-C1 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-01 2.6941E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 2,3175E+00 2,3175E+00 3,2993E-01 2,3000E+00 3,2993E-01 1,7564E-01 2,3900E+00 4,3557E+00 4,2658E-01 1,7564E-01 2,3900E+00 4,3557E+00 4,267E+01 4,9840E-01 4,9840E-01 4,9840E-01 4,1956E-01 4,1956E-01 4,1956E-01 4,1956E-01 4,1956E-02 6,4905E-02 6,7210E+00	1-7 1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.733E-02 2.2268E-01 2.3267E-02 2.731E-01 2.3267E-02 2.2072E-01 1.8464E-01 4.9030E-02 2.3267E-00 1.3050E-01 1.8905E-01 1.8905E-01 1.8905E-01 1.8905E-01	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.33450E+00 2.33450E+00 2.33450E+00 2.3321E-01 1.0605E-01 8.5736E-03 2.3555E-01 2.3348E-00 2.1039E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.273E-02 2.371E-02 2.371	1.5649E-02 6.7069E-02 1.4362E-02 1.4362E-02 1.2724E+00 2.3491E+00 2.3491E+00 2.4486E-01 2.4468E-01 2.4468E-01 2.3369E+00 6.4019E-02 7.0267E-10 6.4019E-01 7.4943E-11 7.4943E-11 7.2045E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01 7.2055E-01	
P/PTINE P/PINE RHO U V W UC WC WC WC WC VY VY VZ PSINOR THETNCR XBAR XBAHLO YBAR G G G G G G G G G G G G G G G G G G G	4.6620E-02 2.5745E-01 4.7787E-04 4.1772E+00 2.0014E+70 2.3021E+00 2.2269E-01 2.2269E-01 0. 0. 0. 2.2218E+00 0. 8.4450E+01 0. 0. 0. 6.4641E-01 1.1288E-02 4.7399E-02 5.3107E+00 6.1621E+00 6.1621E+00	4.7114E-02 2.6220E-01 4.3240E-(4 4.2215E+00 2.3013E+00 2.3013E+00 2.3024E-01 2.3024E-01 2.3024E-01 2.4062E-02 2.362E-C1 2.1514E-01 2.2677E-00 2.3024E-01 2.2677E-00 2.3024E-01 2.2677E-00 2.3024E-01 2.2677E-00 2.404E-02 2.4678E-01 2.474E-02 2.4742E-02 4.7142E-02 4.7142E-02 4.7142E-02 4.7142E-02 4.7142E-02 4.7142E-03 6.1405E-00 6.1405E-00 6.1405E-00	1=3 4.8710E-02 2.7108E-01 4.4765E-04 4.364E-00 2.2972E-00 2.4092E-00 2.7972E-01 2.7651E-01 1.1143E-01 2.7651E-01 2.7651E-01 2.7832E-01 2.7832E-01 2.7832E-01 2.7832E-01 5.9772E-01 5.984E-03 5.9772E-01 5.9821E-01	ZETA- 2.000  I=4  4.5786E-C2 2.7777E-C1 4.45672E-C4 4.4608E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.4171E-02 3.3755E-02 2.2724E-00 6.7872E-01 6.1673E-C1	1=5 4.1419E-02 2.3051E-C1 3.8013E-C1 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-01 2.6941E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 1,6207E+00 2,3175E+00 3,2793E-01 1,0108E-01 2,3000E+00 3,2993E-01 1,7564E-01 2,3000E+00 4,3557E+00 4,265E-01 1,3454E-01 4,195E-01 1,195E-01 1,195E-01 1,195E-01 1,195E-01 1,195E-02 -0,4905E-02	1-7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.7334E-00 2.733E-02 2.2268E-01 2.3267E-02 2.7278E-01 1.8464E-01 4.903E-02 2.8369E-01 2.3267E-00 1.3050E-01 1.8905E-01	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.3450E+00 2.33450E+00 2.33450E+00 2.3321E-01 1.0605E-01 8.5736E-03 2.5559E-01 2.3348E-00 2.1039E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.373E-03 2.105E-01 2.275E-02 2.375E-02 2.375E-02 2.375E-02 2.375E-02 2.375E-02 2.375E-02 2.375E-02 2.375E-02 2.375E-02 2.57815E-02 2.57815E-02 4.5752E-00 7.5524E-00 7.5524E-00	1.5649E-02 6.7069E-02 1.4362E-04 1.4021E-00 1.2724E-00 2.3491E-00 2.3491E-00 2.4468E-01 2.4468E-01 2.4468E-01 2.3369E-00 2.4468E-01 2.3369E-00 6.4019E-01 7.0267E-10 6.4019E-01 7.2045E-01	
P/PIINF P/PINF RHO U V H UC VC WC VCC WCC VCC WCC VX VY VZ PSINOR IHETNCR XBHLD YBAR YBHLD ETA G G G G G G S AM	4.6620E-02 2.5945E-01 4.7787E-04 4.1772E-00 2.0014E+00 2.0014E+00 2.2269E-01 3.2269E-01 3.2269E-01 02.2269E-01 02.2269E-01 1.2269E-01 06.6481E-01 1.1288E-02 5.910TE+00 6.1621E+00 1.2218E-01	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E-C0 2.6172E-00 2.3013E-00 2.3013E-00 2.3024E-01 2.1440E-02 2.362E-C1 -1.1902E-02 2.362E-C1 -1.1902E-02 2.367E-00 2.3024E-01 -1.1902E-02 2.367E-00 2.3024E-01 -1.1902E-02 2.4804E-02 -2.1514E-01 2.2877E-00 2.4068E-C0 1.20973E-01 -4.3048E-01 1.625CE-C2 4.7142E-02 5.941CE-00 6.1465E-00 1.3766E-01 1.3766E-01 1.3766E-01	1-3  4.8710E-02 2.7108E-01 4.4765E-04 4.3644E-00 2.2962E-00 2.2962E-00 2.5962E-00 2.5822E-01 1.1143E-01 2.7651E-01 -8.9843E-03 2.0878E-01 -1.8152E-01 -1.8152E-01 -1.8152E-01 -1.8252E-00 5.2246E-00 5.2246E-00 5.2251E-01 5.9772E-01 -5.3821E-01 9.8264E-03 5.0361E-02 6.0540E+00 6.1000E+00 1.5141E-01	ZETA= 2.000  1=4  4.5786E-C2 2.7747E-C1 4.5652E-C4 4.4608E-00 2.7946E-00 2.7946E-00 3.072E-01 3.4717E-01	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3023E-00 3.6941E-01 1.3842E-01 1.3942E-01 1.3942E-01 1.3942E-01 1.3942E-01 0.2031E-00 0.2026E-00 0.2026E-00 0.2026E-00	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 2.3175E+00 2.3175E+00 3.2793E-01 2.3000E+00 3.2993E-01 2.1999E-01 2.4585E-01 2.1999E-01 2.7504E-01 2.3000E+00 4.3557E+00 4.3557E+00 4.3557E+00 4.3557E+00 4.3557E-00 6.1956E-01 6.1956E-01 6.1956E-01 6.4955E-02 6.7405E-02	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.7151E-01 1.6467E-02 2.208E-01 1.6464E-01 1.6464E-01 1.6407E-02 2.809E-01 1.8095E-01 5.5824E-01 1.6905E-01 5.5824E-01 1.6905E-01 5.5824E-01 1.6905E-01 5.64834E-02 6.3676E-00 7.3767E-00 7.3767E-00 7.3767E-00	I=8  1.5761E-02 6.7716E-02 1.4465E-04 1.4122E-00 1.2677E-00 2.3450E-00 2.3450E-00 2.3348E-01 2.3348E-01 2.3348E-01 2.3321E-01 2.3348E-01 2.3321E-01 2.3348E-01 2.3321E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3438E-01	1.5649E-02 6.7069E-02 1.4342E-04 1.432E-04 1.432E-06 1.2724E-00 5.1010E-02 2.3491E-00 5.1010E-02 2.349E-01 1.8407E-11 2.4464E-01 3.1901E-12 2.4464E-01 3.1901E-12 2.4466E-01 1.74943E-11 7.2045E-01 1.2045E-01 2.093E-02 2.55278E-02 6.2065E-00	
P/PIINF RHO U V H UC VC WC VCC WCC VCC WCC YX YY VI PSINOR IHETNCR XBHLD YBAR XBHLD THETNCSSM GGONS AM CROSSM SBAP DOROGAP PT/PIINF	4.6620E-02 2.5945E-01 4.787E-04 4.1772E-00 2.0014E+00 2.0014E+00 2.2269E-01 0. 2.2269E-01 0. 2.2269E-01 0. 2.2269E-01 0. 4.56481E-01 1.1288E-02 5.47399E-02 5.910TE+00 1.2216E-01 1.1288E-02 5.910TE+00 1.2216E-01 2.1226E-02	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E-C0 2.6172E-00 2.3013E-00 2.3013E-00 2.3024E-01 5.4410E-02 2.2897E-00 2.3024E-01 1.1982E-01 2.1987E-02 2.462E-C1 2.1987E-02 2.462E-C1 2.1987E-02 2.462E-C1 2.1987E-02 2.462E-C1 2.1987E-02 2.462E-C2 2.414E-02 2.442E-C1 1.CESSE-C2 4.7142E-02 5.9410E-02 6.1465E-00 1.3796E-01 1.3796E-01 1.3796E-01 1.3796E-01 1.3796E-01 1.3796E-01 1.3796E-01 1.3796E-01	1=3  4.8710E-02 2.7108E-01 4.4705E-01 4.4705E-01 4.4705E-01 4.4705E-01 4.4705E-01 4.7064E-02 -3.2306E-02 2.7822E-01 2.7823E-02 2.7823E-03 2.7825E-03 2.7826E-03 2.7825E-03 2.782	ZETA= 2.000  1=4  4.9786E-C2 2.7747E-C1 4.5662E-04 4.4608E-00 2.7924E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.1160E-02 3.3755E-01 2.2724E-00 6.4591E-00 6.4591E-00 6.1673E-C1 6.1674E-C1 6.16	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3023E-00 3.6941E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.2842E-01 1.2842E-01 2.6731E-00 4.2731E-00 4.2731E-00 4.2731E-00 4.2731E-00 4.2731E-01 4.482E-03 1.4842E-01 2.2731E-00 4.2031E-01 4.4828E-03 4.1973E-02 4.9975E-00 6.2226E+02 4.121E-01 1.212E-01 1.2120E-02 1.2208E-02	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 2.3175E+00 2.3175E+00 2.3175E+00 3.2993E-01 2.3000E+00 3.2993E-01 2.1526E-01 2.1526E-01 2.702E-01 2.3056E-00 4.3557E-00 8.2662E-01 9.2837E-01 1.1936E-02 6.7493E-01 6.4935E-01 6.7495E-02 6.7430E-01 1.931E-02 1.931E-02 1.931E-02	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E+00 2.3334E+00 2.733E-01 2.3267E+00 2.7731E-01 1.6426E-02 2.2072E-01 1.6446E-01 4.9030E-02 2.8369E-01 1.2072E-00 1.2072E-00 1.2072E-01 1.5905E-01 5.5824E-01 1.6905E-01 5.5824E-01 1.6905E-01 5.5824E-01 1.6905E-01 5.5824E-01 1.6905E-01 5.7377E-00 7.3777E-00 7.3777E-00 7.3777E-00 7.3775E-02 1.7558E-02 1.7558E-02	1-8  1.5761E-02 6.7716E-02 1.4465E-04 1.4122E-00 1.2657E-00 2.3450E+00 2.3450E+00 2.323E-01 2.3348E-01 2.3348E-02 2.321E-01 1.0605E-01 8.3736E-03 2.559E-01 1.0605E-01 1.0725E-02 1.1735E-02 2.384E-00 2.1039E-01 1.9725E-02 1.1735E-02 4.266EE-01 1.9725E-02 6.2046E-00 1.168E-01 1.686E-01	1.5649E-02 6.7069E-02 1.4322E-04 1.432E-04 1.432E-00 1.2724E-00 2.3491E-00 2.51010E-02 2.3369E-00 2.4484E-01 1.8407E-11 2.4464E-01 2.3369E-01 2.3369E-01 2.3369E-01 7.0267E-10 8.4019E-01 7.4943E-11 7.2045E-01 2.049E-01 7.5906E-01 2.0496E-01 1.5673E-01 2.049E-01 7.5906E-01 1.5673E-01 7.5906E-01 1.5673E-01 7.5906E-01	
P/PIINF RHO U V H UC VC WC VCC WCC VCC WCC YX YY YZ PSINOR THETNCR XBHLD YBAR XBHLD THETNCR XBHLD THETNCR XBHLD THETNCR XBHLD THETNCR	4.6620E-02 2.5945E-01 4.7787E-04 4.1772E-00 2.0014E+00 2.0014E+00 2.2269E-01 3.2195E-10 3.2269E-01 02.2269E-01 02.2269E-01 02.2269E-01 1.1288E-02 5.910TE+00 6.1621E+00 1.2216E-01 1.1288E-02 5.910TE+00 1.2216E-01 1.124E-02 1.2226E-02 1.759E-01	4.7114E-02 2.6220E-01 4.3240E-C4 4.2215E-C0 2.6172E-00 2.3013E-00 2.3013E-00 2.3024E-01 2.1440E-02 2.362E-C1 -1.1902E-02 2.362E-C1 -1.1902E-02 2.367E-00 2.3024E-01 -1.1902E-02 2.367E-00 2.3024E-01 -1.1902E-02 2.4804E-02 -2.1514E-01 1.20873E-00 2.4068E-C0 1.20873E-01 2.20873E-01	1=3  4.8710E-02 2.7108E-01 4.470E-01 4.470E-01 4.470E-01 4.470E-01 2.6698E-00 2.2952E-00 2.532E-01 1.1143E-01 2.761E-01 1.1143E-01 2.761E-01 2.761	ZETA= 2.000  I=4  4.5786E-C2 2.7777E-C1 4.45652E-C4 4.45652E-C3 2.7126E-C0 2.2724E-C0 3.0722E-C1 3.3311E-C2 3.3715E-C1 3.4717E-C1 3.4717E-C1 3.1180E-C2 2.2724E-C0 6.3562E-C2 2.2724E-C2 6.3562E-C2 2.2724E-C2 6.3562E-C2 6.362E-C2 6.362E	1=5 4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3023E-00 2.3023E-00 3.6941E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 1.3842E-01 2.6941E-01 1.3842E-01 2.6941E-01 2.6941E-01 2.6941E-01 2.6941E-01 2.7911E-00 4.20319E-00 4.20319E-00 4.20319E-00 4.20319E-01 2.40319E-01 2.40319E-01 2.40319E-01 2.40319E-01 2.7916E-01 2.7916E-01	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 2.3175E+00 2.3175E+00 2.3175E+00 3.2993E-01 1.0108E-01 2.3000E+00 4.32993E-01 2.702E-01 2.3056E-00 4.3557E-00 4.3557E-00 4.3557E-00 4.3557E-00 4.3557E-00 4.355E-01 6.495E-01	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E+00 2.3334E+00 2.735E-01 2.3267E+00 2.7751E-01 1.8464E-01 1.8464E-01 1.8464E-01 1.8464E-01 1.820E-02 2.8309E-02 2.8309E-01 2.3267E-00 1.2072E-00 1.2072E-00 1.3267E-01 1.8905E-01 5.5824E-01 1.6905E-01 5.5824E-01	1-8  1.5761E-02 e.7716E-02 e.7716E-02 1.4465E-04 1.4122E-00 2.3450E+00 2.3450E+00 2.3236E-01 2.3346E-02 2.321E-01 8.5736E-03 2.5559E-01 2.3348E+00 2.1039E-01 1.372E-02 2.3815E-01 1.2877E-02 6.8060E-01 1.9725E-02 5.7815E-02 6.2064E-00 4.2666E-01 1.0663E-02 1.1285E-02 9.7314E-01	1.5649E-02 6.7069E-02 1.4322E-04 1.4322E-04 1.432E-04 1.2724E-00 2.3491E-00 2.3491E-00 2.3491E-00 2.3491E-01 2.4486E-01 3.1901E-12 2.4486E-01 3.1901E-12 2.3369E-01 2.3369E-01 7.0267E-10 8.4019E-01 7.4943E-11 7.2045E-01 2.0953E-02 6.2069E-00 1.6673E-01 7.1966E-04 1.1169E-02 9.922E-01 1.0677E-02	
P/PIINF RHO U V W UC WC	4.6620E-02 2.5945E-01 4.7787E-04 4.1772E+00 2.3021E+00 2.3021E+00 2.2269E-01 3.8195E-10 2.2269E-01 0. 0. 0. 8.4450E+01 0. 0. 0. 8.4450E+01 1.1288E-02 -4.7399E-02 5.3107E+00 6.1621E+00 1.2162E-01 5.1142E-02 7.9624E-01 1.9748E-11 1.9748E-10	4.7114E-02 2.6220E-01 4.3240E-(4 4.2215E+00 2.3013E+00 2.3013E+00 2.3024E-01 2.3024E-01 2.3024E-01 2.4062E-02 2.362E-C1 2.1514E-01 2.2677E-00 2.3024E-01 2.4062E-02 4.4404E-02 2.4514E-01 2.4067E+01 2.4078E+01	1=3 4.8710E-02 2.7108E-01 4.4705E-01 4.4705E-01 4.4705E-01 2.6698E-00 2.2902E-00 2.3206E-02 2.2022E-01 2.7651E-01 1.1143E-01 2.7651E-01 2.7651E-01 2.7822E-01 5.9772E-01 5.9821E-02 5.9321E-02 5.9331E-02	ZETA- 2.000  1=4  4.9786E-C2 2.7777E-C1 4.45672E-C4 4.4608E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.4717E-01 3.1180E-02 3.3755E-02 2.2724E-00 8.7872E-01 6.1673E-01 5.3176E-01 5.3176E-01 5.3176E-01 5.3176E-01 6.1673E-01 6.174E-01 6.174E-01 6.174E-01 6.3501E-00 6.0764E-00 6.0764E-00 6.3501E-00	1=5 4.1419E-02 2.3051E-C1 3.8013E-C1 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-01 2.6941E-01 2.9941E-01 2.9941E-01 2.9941E-01 2.9941E-01 2.9941E-01 2.9941E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 2,3175E+00 2,3175E+00 3,2993E-01 1,0108E-01 2,3000E+00 3,2993E-01 1,7564E-01 2,1999E-01 1,7564E-01 2,3000E+00 3,2972E-01 2,3000E+00 3,2972E-01 2,3702E-01 2,7210E+00 2,7210E+00 2,7210E+01 2,7210	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.733E-02 2.2286E-01 2.3267E-02 2.731E-01 1.8464E-01 4.9030E-02 2.3267E-00 1.8905E-01	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.33450E+00 2.33450E+00 2.3323E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3348E-01 2.3555E-01 2.3348E-01 2.3555E-01 2.3548E-00 4.1578E-02 2.7378E-02 2.7378E-02 2.7378E-02 2.7378E-02 2.7378E-02 2.7378E-01 1.0603E-02 -5.7318E-02 4.7318E-02 9.7314E-01 1.0603E-02 -4.6265E-05 9.7314E-01 1.0603E-02 -4.6265E-05 9.7314E-01 1.0603E-02 -4.6265E-05 9.7314E-01	1.5649E-02 6.7069E-02 1.4362E-04 1.4021E-00 1.2724E-00 2.3491E-00 2.3491E-00 2.4468E-01 2.4468E-01 2.4468E-01 2.3369E-00 2.4468E-01 2.3369E-00 6.4019E-01 7.0267E-10 6.4019E-01 7.2045E-01	
P/PIINF P/PINF RHO U V W UC WC	4.6620E-02 2.5745E-01 4.7787E-04 4.1772E+00 2.3021E+00 2.3021E+00 2.2269E-01 2.2269E-01 0. 0. 0. 2.2218E+00 0. 0. 8.4450E+01 0. 0. 0. 6.4641E-01 1.1288E-02 -4.7399E-02 5.3107E+00 6.1621E+00 1.2216E-01 5.1142E-02 7.962E-01 1.9748E-10 1.9748E-10 2.024E-03 2.25764E-03 2.25764E-03 2.25764E-03	4.7114E-02 2.6220E-01 4.3246E-(4 4.2215E+60 2.3013E+90 2.3013E+90 2.3024E-01 2.3024E-01 2.3024E-01 2.3024E-01 2.3024E-01 2.3024E-01 2.3024E-01 2.3024E-01 2.3024E-01 2.4062E-02 2.362E-01 2.4062E-02 2.404E-03 2.405E-01 2.4062E-01 2.4062E-01 2.2097E-00 0.1405E-00 0.1405E-00 0.1376E-01 5.2210E-02 7.9213E-01 1.2251E-02 7.9213E-01 0.431E+01	1=3  4.8710E-02 2.7108E-01 4.4705E-04 4.3644E-00 2.2902E-00 2.2902E-00 2.5322E-01 1.1143E-01 2.7651E-01 1.1143E-01 2.7651E-01 2.7821E-01 2.89843E-03 2.0878E-03 5.9712E-01 5.3821E-01 5.3821E-01 5.3821E-01 5.3821E-01 5.3821E-01 5.3821E-01 5.3821E-01 5.3821E-01 5.3821E-01 5.3821E-02 7.8138E-01 7.8138E-02	ZETA- 2.000  I=4  4.9786E-C2 2.7777E-C1 4.45672E-C4 4.4608E-00 2.7924E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.4171E-02 3.3755E-02 2.2724E-00 6.7878E-02 2.7724E-00 6.7878E-01 5.3176E-01 5.3276E-02 6.3561E-00 6.0764E-00 6.3761E-01 6.3376E-01 7.8218E-01 1.8318E-01 1.8318E-01 1.8318E-01 1.8318E-01 1.8318E-01 1.8318E-01	1=5  4.1419E-02 2.3051E-C1 3.8013E-C1 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.3932E-00 2.494E-01 2.694E-01 2.994E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 2,3175E+00 2,3175E+00 3,2993E-01 1,0108E-01 2,3000E+00 3,2993E-01 1,7564E-01 2,1999E-01 1,7564E-01 2,3000E+00 4,3557E+00 4,287E-01 4,9840E-01 4,1956E-01 4,1956E	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 2.3334E-00 2.7334E-00 2.7334E-00 2.735E-01 2.3267E-02 2.2208E-01 1.8464E-01 4.9030E-02 2.3267E-00 1.8905E-01 2.3267E-00 1.8905E-01 1.8905E-01 1.8905E-01 1.8905E-01 1.8905E-01 1.8905E-01 1.8905E-01 1.8905E-01 5.924E-01	1-8  1.5761E-02 e.7716E-02 1.4445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.3450E+00 2.33450E+00 2.33450E+00 2.3321E-01 1.0605E-01 8.5736E-03 2.3555E-01 2.3348E-00 2.1039E-01 2.3735E-01 2.3735E-01 2.3735E-01 2.3755E-01 2.375E-02 2.7375E-02 2.7375E-02 2.7375E-02 2.7375E-02 2.7375E-02 2.7375E-02 2.7375E-02 2.7375E-02 2.7375E-01 1.0603E-02 4.806E-01 1.0725E-02 4.806E-01 1.0603E-02 4.806E-01	1.5649E-02 6.7069E-02 1.4362E-04 1.4021E-00 1.2724E-00 2.3491E-00 2.3491E-00 2.4468E-01 2.4468E-01 2.3369E-00 2.4468E-01 2.3369E-00 2.4468E-01 2.3369E-00 6.4019E-01 7.4049E-11 7.4943E-11 7.4943E-11 7.4943E-11 7.4943E-11 7.4943E-12 7.6959E-02 6.2069E-00 7.5906E-00	
P/PIINF P/PINF RHO U V H UC VC WC VCC WCC VCC WCC VCC WCC VS PSINOR IHETNCR XBAR XBHLD YBAR CFOSS WBHLD ETA G G DEONS AM CROSS M CROSS M CROSS M DOROGAP PI/PIINF PI BERNOUL DPOZ DUDZ	4.6620E-02 2.5745E-01 4.7787E-04 4.1772E+00 2.3021E+00 2.3021E+00 2.2269E-01 2.2269E-01 0. 0. 0. 2.2218E+00 0. 0. 8.4450E+01 0. 0. 0. 6.4641E-01 1.1288E-02 -4.7399E-02 5.3107E+00 6.1621E+00 1.2216E-01 5.1142E-02 7.962E-01 1.9748E-10 1.9748E-10 2.024E-03 2.25764E-03 2.25764E-03 2.25764E-03	4.7114E-02 2.6220E-01 4.3240E-04 4.2215E-00 2.3013E-00 2.3013E-00 2.3024E-01 5.4410E-02 2.2897E-00 2.3024E-01 1.1982E-01 2.1982E-01 2.1982F-02 2.462E-01 2.1982F-01 2.3076E-01 2.28776E-01 2.2978E-01 2.2978E-01 2.2978E-01 1.20798E-01 1.2082E-02 1.2251E-02 1.2251E-02 1.2251E-02 1.2251E-02 1.2261E-02 1.2260E-01 2.2206E-01 2.2206E-01	1=3  4.8710E-02 2.7108E-01 4.4765E-04 4.364E-00 2.2972E-00 2.2692E-00 2.3236E-02 2.2832E-01 2.7651E-01 1.1143E-01 2.7651E-01 2.18152E-01 2.2832E-00 5.2246E-03 5.9772E-01 5.3821E-01 5.3821E-01 5.3821E-02 5.0540E-03 5.0361E-02 7.8138E-01 7.8138E-01 7.8138E-01 7.8138E-01 7.8138E-01 7.8138E-01 7.8138E-01 7.8138E-01 7.8138E-02 7.8138E-01	ZETA- 2.000  1=4  4.5786E-C2 2.7777E-C1 4.45672E-C4 4.4608E-00 2.7924E-00 3.0722E-01 3.4717E-01 3.4717E-01 3.1180E-02 3.3755E-01 3.1180E-02 3.3755E-01 6.1673E-01 6.1673E-01 6.1673E-01 6.1673E-01 6.1673E-01 6.1673E-01 6.1673E-01 6.174E-01 6.1673E-01 6.174E-01 6.3501E-00 6.075E-01 6.3501E-01	1=5  4.1419E-02 2.3051E-C1 3.8013E-C1 2.3051E-C1 2.3051E-C1 2.3051E-C1 2.3051E-C1 2.3051E-C1 2.3051E-C1 2.3051E-C1 2.3051E-C1 2.3051E-C1 2.4731E-C1 2.4741E-C1 2.4731E-C1 2.4741E-C1 2.4731E-C1 2.4731E-C1 2.4741E-C1 2.4731E-C1 2.4731E-C1 2.4731E-C1 2.4731E-C1 2.4731E-C1 2.4731E-C1 2.4731E-C1	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 2,3175E+00 2,3175E+00 3,2793E-01 2,3060E+00 3,2993E-01 1,0108E-01 2,4568E-02 2,5424E-01 1,7564E-01 2,3060E+00 4,3557E+00 8,2602E+01 1,7564E-01	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.7334E-00 2.7334E-02 2.2268E-01 1.8464E-01 4.9030E-02 2.8369E-01 2.8369E-02 2.4369E-01 2.8369E-01 2.8369E-01 2.8369E-01	1-8  1.5761E-02 e.7716E-02 e.7716E-04 1.412E-00 1.4452E-04 1.412E-00 2.3450E+00 2.3450E+00 2.3236E-01 2.3346E-00 2.3231E-01 1.0605E-01 8.5736E-03 2.5559E-01 2.3348E-00 2.1039E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-01 2.3715E-02 2.7115E-02 2.7115E-02 2.7116E-01 1.0603E-02 4.262E-05 4.262E-01 1.0603E-02 4.7116E-02	1.5649E-02 6.7069E-02 1.4362E-04 1.4021E-00 1.2724E-00 2.3491E-00 2.3491E-00 2.4496E-01 2.4496E-01 2.3369E-00 2.4496E-01 2.3369E-00 2.4496E-01 2.3369E-00 6.4019E-01 2.3369E-00 6.4019E-01 7.0267E-10 6.4019E-01 7.0267E-10 6.4019E-01 7.0267E-01 7.036E-04 7.036E-04 7.036E-04 7.036E-04 7.036E-04 7.036E-04 7.036E-04 7.036E-05 7.036E-05 7.036E-06 7.03	
P/PIINF P/PINF RHO U V H UC VC WC VCC WCC VCC WCC VCC WCC VCC WCC VSINOR IHETNCR XBAR XBHLD YBAR CFOSS FOSS BAF POPOGAP PT/PIINF PI BERNOUL DPOZ DVDZ DVDZ DVDZ DVDZ DVDZ DVDZ DVDZ DV	4.6620E-02 2.5945E-01 4.787E-04 4.1772E-90 2.001E+00 -4.5648E-02 2.269E-01 3.219E-16 2.2269E-01 02.2269E-01 02.2269E-01 02.2269E-01 04.56481E-01 1.1288E-02 5.910TE-00 6.1621E+00 1.2216E-01 7.0624E-01 8.759E+01 1.948E-10 2.0281E-03 2.2549E-01 2.2498E-01 2.2149E-01 2.3175E-15 3.2448E-30 1.2148E-03	4.7114E-02 2.6220E-01 4.3240E-04 4.2215E-00 2.3013E-00 2.3013E-00 2.3024E-01 5.4410E-02 2.2897E-00 2.3024E-01 1.1982E-01 2.1982E-01 2.3962E-01 2.4618E-00 2.4618E-00 2.4618E-00 2.4618E-00 2.47142E-02 5.9410E-00 1.376E-01	1=3  4.8710E-02 2.7108E-01 4.470E-04 4.3644E-02 2.4092E-00 2.2952E-00 2.532E-01 1.1143E-01 2.7651E-01	ZETA= 2.000  I=4  4.5786E-C2 2.7776F-C1 4.45652E-04 4.4608E-00 2.2924E-00 2.2924E-00 3.072E-01 3.4716-01 3.4716-01 3.4716-02 3.375E-C2 2.2724E-00 6.2524E-00 6.1532E-01 6.1673E-01	1=5  4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 3.6941E-01 3.6941E-01 3.6941E-01 2.6941E-01 2.7941E-01	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 2.3175E+00 2.3175E+00 3.2793E-01 1.0108E-01 2.3000E+00 3.2793E-01 1.7564E-01 2.7902E-01 2.3000E+00 4.3557E+00 4.3556-00 4.3557E+00 4.3557E	1=7  1.7262E-02 9.6067E-02 9.6067E-02 1.5843E-04 1.5845E-04 1.5845E-04 2.33346+00 2.4731E-01 2.3267E-02 2.7731E-01 2.3267E-02 2.2072E-01 1.8404E-01 4.9030E-02 2.3367E-02 1.8705E-01 1.8705E-01 1.8705E-01 1.8705E-01 1.8705E-01 1.8705E-01 3.759E-02 3.759E-01 3.759E-02 3.759E-01 3.759E-01 3.759E-01 3.759E-01 3.759E-01 3.759E-01 3.759E-01 3.759E-01 3.759E-01	1=8  1.5741E-02 6.7716E-02 1.4445E-04 1.4122E-00 1.2647E-00 2.3450E-00 2.33450E-00 2.33450E-00 2.3321E-01 1.0665E-01 6.5756E-03 8.5756E-03 2.3348E-00 2.3348E-00 2.3348E-00 1.3348E-01 2.3348E-01 2.3348E-01 2.3455E-01 2.346E-04 1.772E-02 1.728E-02 1.728E-02 1.728E-02 1.728E-02 1.728E-02 1.734E-01 1.0603E-02 1.14073E-03 1.4826E-04 1.14073E-03 1.4826E-04 1.14073E-03 1.4826E-04 1.4973E-03 1.4973E-0	1.5649E-02 6.7069E-02 1.4342E-04 1.432E-04 1.432E-04 1.2724E-00 2.3491E-00 -5.1010E-02 2.339E-00 2.4484E-01 1.8407E-11 2.4464E-01 3.1901E-12 2.4466E-01 1.23369E-01 2.3369E-01 7.0267E-10 6.4019E-01 7.4943E-11 7.2045E-01 2.093E-02 6.2095E-00 1.6673E-01 1.1067E-02 6.2095E-01 1.0677E-02 6.2097E-02 6.2097E-02 6.2097E-02 6.2097E-02 6.2097E-02 6.2097E-02 6.2097E-02 6.2097E-02 6.2097E-03 6.	
P/PIINF P/PINF RHO U V H UC VC WC VCC WCC VCC WCC VCC WCC VCC WCC VS PSINOR IHETNCR XBAR XBHLO YBAR CFOSS WBHLO ETA G G DEONS AM CROSS WBHLO POPOGAP PT/PIINF PI BERNOUL DPOZ DVDZ DVDZ DVDZ DVDZ DVDZ DVDZ DVDZ DV	4.6620E-02 2.5945E-01 4.787E-04 4.1772E-90 2.001E+00 -4.5648E-02 2.2408E-01 3.2498E-01 2.2269E-01 2.2218E+00 0. 6.6481E-01 1.1288E-02 4.7398E-02 5.910TE-00 6.1621E+00 1.2216E-01 2.249E-01 2.3175E-15 5.244E-30	4.7114E-02 2.6220E-01 4.3240E-04 4.2215E-00 2.3013E-00 2.3013E-00 2.3024E-01 5.4410E-02 2.2897E-00 2.3024E-01 1.1982E-01 2.1514E-02 2.2897E-00 2.4062E-01 2.2077E-00 2.4063E-02 2.4540E-02 2.1514E-02 2.454E-01 2.2077E-00 2.4062E-01 3.2776E-01 1.20978E-01 1.20978E-01 1.7098E-01 1.7098E-02 1.70918E-02	1=3  4.8710E-02 2.7108E-01 4.470E-04 4.3644E-02 2.4092E-00 2.2952E-00 2.532E-01 1.1143E-01 2.7651E-01 2.7651E-	ZETA= 2.000  I=4  4.9786E-C2 2.7776E-C1 4.45652E-C4 4.45652E-C3 2.7126F-00 2.2924E-00 3.0722E-C1 3.3311E-C2 3.3775E-C1 3.4717E-C1 4.5300E-C2 2.2724E-C0 3.0722E-C1 3.4717E-C1 6.1674E-C1 6.	1=5  4.1419E-02 2.3051E-C1 3.8013E-04 3.7112E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 2.3032E-00 3.6941E-01 3.6941E-01 3.6941E-01 2.2731E-00 3.6941E-01 2.2731E-00 2.2731E-00 2.2731E-00 2.2731E-00 2.2731E-00 2.2731E-00 2.2731E-00 2.2731E-00 2.2731E-01 2.2731	1=6  2.3457E-02 1.3054E-01 2.1528E-04 2.1018E+00 2.3175E+00 2.3175E+00 3.2793E-01 1.0108E-01 2.3060E+00 3.2793E-01 1.7564E-01 2.79702E-01 2.3060E+00 4.35572+00 8.2662E-01 4.7564E-01	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5845E-04 1.5845E-04 1.3273E-06 2.3373E-00 2.7731E-01 2.3267E-02 2.2268E-01 1.8404E-01 4.9030E-02 2.3267E-00 1.8404E-01 4.9030E-02 2.8369E-01 2.8369E-01 2.8369E-01 2.8369E-01 2.8369E-01 3.8758E-03 3.759E-04 3.759E-04 3.759E-04 3.759E-04 3.759E-05 3.759E-01	1=8  1.5761E-02 6.7716E-02 1.4465E-04 1.4122E-00 1.2657E-00 2.3450E-00 2.33450E-00 2.33450E-00 2.3321E-01 1.0665E-01 8.5756E-03 2.5559E-01 2.3348E-00 2.1039E-01 2.3756E-03 1.7552E-02 2.1039E-01 1.0665E-01 1.7725E-02 2.1039E-01 1.7524E-00 2.268E-01 1.7524E-00 4.266E-01 1.0695E-02 1.1285E-02 1.1285E-02 1.1285E-02 1.1285E-02 1.1285E-02 1.1285E-02 1.1285E-02 1.1285E-02 1.1381E-01 1.0603E-02 1.1403E-01 1.0603E-02 1.1288E-02 1.1288E-02 1.1388E-01 1.0603E-02 1.1388E-01 1.0603E-02 1.1388E-01 1.0603E-02 1.1388E-01 1.0603E-02 1.1388E-01 1.0603E-02 1.1388E-02 1.1388E-02 1.1388E-02 1.1388E-02 1.1388E-02 1.1388E-02 1.1388E-02	1.5649E-02 6.7069E-02 1.4322E-04 1.4021E-00 1.2724E-00 2.3491E-00 2.3491E-00 2.3491E-00 2.3491E-01 1.8407E-11 1.8407E-11 2.4464E-01 3.1901E-12 2.4464E-01 3.1901E-12 2.4464E-01 1.3409E-01 1.74943E-11 7.2045E-01 2.093E-02 6.2069E-00 1.6673E-01 1.00673E-02 6.2069E-00 1.6673E-01 1.00673E-02 6.2069E-00 1.6673E-01 1.00673E-02 6.2069E-00 1.6073E-02 6.2069E-00 1.6073E-02 6.2069E-00 1.6073E-02 6.2069E-00 1.6073E-02 6.2069E-00 1.6073E-02 6.2069E-00 1.6073E-01 1.006F-04 1.1106E-04 1.1106E-0	
P/PIINE P/PINE RMO U V W UC WC VCC WCC WCC WCC WCC WCC WCC WCC WCC	4.6620E-02 2.5745E-01 4.7787E-04 4.1772E+00 2.3021E+00 2.3021E+00 2.2269E-01 3.8195E-16 2.2269E-01 0. 0. 0. 8.4450E+01 0. 0. 0. 8.4450E+01 0. 0. 0. 6.6481E-01 1.1288E-02 -4.7399E-02 2.319E+00 6.1621E+00 6.1621E+00 6.1621E+00 1.2262E-01 7.962E-01 1.128E-02 7.962E-01 1.23175E-15 2.2498E-01 2.3175E-15 2.1962E-01	4.7114E-02 2.6220E-01 4.3246E-(4 4.2215E+60 2.3013E+00 2.3013E+00 2.3024E-01 2.4024E-01 2.404E-02 2.404E-02 2.4024E-01 2.201E-02 2.4024E-01 2.201E-02 2.4024E-01 2.201E-02 2.4024E-01 2.201E-02 2.4024E-01 2.201E-02 2.201E-0	1=3  4.8710E-02 2.7108E-01 4.4765E-04 4.364E-00 2.2972E-00 2.6698E-00 2.2972E-01 2.7651E-01 1.1143E-01 2.7651E-01 2.7651E-01 2.7822E-01 2.7822E-01 5.9772E-01 5.9821E-02 5.9321E-02 5.9321E-03 5.9321E-02 7.8138E-02 7.8138E-02 7.8138E-02 7.8138E-02 7.8138E-02 7.8138E-02 7.8138E-03 7.9264E-03 3.9766E-03 3.9766E-03 3.9766E-03	ZETA- 2.00  I=4  4.5786E-C2 2.77776-C1 4.45672E-04 4.45672E-04 2.7126E-00 2.7224E-00 3.0722E-01 3.47176-01 3.47176-01 3.1106-02 3.3755E-01 3.1106-02 3.3755E-01 6.1673E-01 6.174E-01 6.1673E-01 6.174E-01 6.174E-01 6.174E-01 6.174E-01 6.3551E-00 6.0764E-00 6.0764E-00 6.3561E-00 6.0764E-00 6.3561E-00 6.764E-00 6.7764E-00	1=5  4.1419E-02 2.3051E-01 3.8013E-04 2.7112E-00 2.3023E+00 2.3023E+00 2.3023E+00 2.3023E+00 3.6941E-01 2.6711E-01 2.7971E-01	1=6  2,3457E-02 1,3054E-01 2,1528E-04 2,1018E+00 2,3175E+00 2,3175E+00 3,2793E-01 1,0108E-01 2,3000E+00 3,2993E-01 1,7564E-01 2,3000E+00 4,3557E+00 8,2602E+01 1,7564E-01 4,9840E-01 4,9840E-01 4,9840E-01 4,970E-02 6,4705E-02 6,4705E-02 6,4705E-02 1,1931E-02 8,4627E-01 1,1908E-04 1,1930E-01 1,1930E	1=7  1.7262E-02 9.6067E-02 1.5843E-04 1.5467E-00 1.3293E-00 2.3334E-00 2.733E-02 2.2288E-01 2.3267E-02 2.731E-01 2.3267E-02 2.2072E-01 1.8464E-01 4.9030E-01 2.8369E-01 2.8369E-01 2.8369E-01 2.8369E-01 2.8369E-01 3.876E-00 7.3767E-00 7.3767E-00 7.3767E-00 7.3767E-00 7.3767E-00 7.3767E-00 7.3767E-01 3.7559E-02 9.1038E-01 3.715E-04 4.0568E-02 9.1038E-01 -3.8715E-04 -3.8715E-04 -3.8715E-04 -3.8668E-02 -1.5288E-01 -1.5288E-01 -1.5288E-01	1-8  1.5761E-02 e.7716E-02 1.445E-04 1.412E-00 1.2677E-00 2.3450E+00 2.3450E+00 2.33450E+00 2.33450E+00 2.3321E-01 1.0605E-01 6.5736E-03 2.5559E-01 2.3348E-00 2.1039E-01 1.33815E-01 2.3559E-01 2.3559E-01 2.3548E-00 4.1548E-02 4.8000E-01 7.1775E-01 1.9725E-02 5.7815E-02 6.3000E-01 7.1775E-01 1.9725E-02 6.3000E-01 7.1775E-01 1.9725E-02 6.3000E-01 7.1775E-01 1.9725E-02 6.3000E-01 7.1775E-01 7.3734E-01 7.3734E-01 1.0603E-02 6.3000E-01 7.3734E-01	1.5649E-02 6.7069E-02 1.4362E-04 1.4021E-00 1.2724E-00 2.3491E-00 2.3491E-00 2.4496E-01 2.4496E-01 2.3369E-00 2.4496E-01 2.3369E-00 2.4496E-01 2.3369E-00 6.4019E-01 7.4049E-11 7.4943E-11 7.4943E-11 7.4943E-11 7.4943E-12 7.6959E-02 6.2069E-00 7.5906E-00 7.5916E-01 7.697E-01 7.697E-01 7.697E-01 7.697E-01	

			76TA= 1.00	C00000601					
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P/ROASTSQ 2.6031E-01 P/PTINF 4.2929E-04	4.3382E-01	2.7218E-01 4.4886E-04	2.7847E-C1 4.5922E-04	3.7814E-C4	1.2587E-01 2.0757E-04	9.3675E-02 1.5448E-04	8.7141E-02 1.4371E-04	8.7120E-02 1.4367E-04	
P/PINF 4-1911E+00	4.3382E-04 4.2353E+00	4.3822E+00	4.4833E+00	3.6917E+C0	2.0265E+00	1.50826+00	1.40306+00	1.4026E+00	
RHD 2.6076E+00 U 2.3023E+00	2.62278+00	2.6771E+00 2.2993E+00	2.7221E+00	2.3792E+C0	1.5645E+00 2.3169E+00	1.2854E+00 2.3327E+00	1.2507E+00 2.3447E+00	1.2727E+00 2.3495E+C0	
V -2.3001E-02	-2.2599E-02	2.6771E+00 2.2993E+00 -2.3574E-02 -3.2618E-02 2.2817E+00 2.6492E-01 1.1112E-01 2.8640E-02	-2.4913E-02	-2.6186E-02	-2.0476E-02	-2.2210E-02	-2.4529E-02	-2.6371E-02	
W 0. UC 2.2907E+00	-2.5028E-02	-3.2618E-02	1.8930E-02	1.4052E-01	2.6286E-01 2.3050E+00	2.2626E-01 2.3256E+C0	1.2283E-01 2.3335E+00	0. 2.3368E+00	
VC 2.3228E-01	2.4035E-01	2.6492E-01	3.2142E-01	3.8362E-01	3.3558E-01	2.8016E-01	2.5377E-01	2.4546E-01	
WC 3.9840E-16 VCC 2.3228E-01	5.4830E-02	1.1112E-01	1.7024E-01	1.4052E-01	1.0972E-01	8.00626-02	4-1414E-02	1.8407E-11	
MCC 0.	-1.7418E-02	-1.8640E-02	2.7251E-02			2.1713E-01 1.9430E-01	2.31 85E-01 1.110 8E-01	2.4546E-C1 1.7767E-12	
vx 0.	1.0073E-01	-1.8640E-02 2.1348E-01 -1.9224E-01 2.2817E+00	3.5220E-01	3.6362E-01	1.7399E-01	4.7C52E-02		-2.8685E-11	
VY -2.3226E-01 VZ 2.2907E+00	-2.2468E-01 -2.2465F+00	-1.9224E-01	2.2698E+00	1.4052E-01 2.2702E+00	3.0721E-01 2.3050E+00	2.8755E-01 2.3256E+00	2.5696E-01 2.3339E+00	2.4546E-01 2.3368E+00	
				9.5913E+00	4.3169E+00	1.15916+00	2.2182F-C1	-7.0333E-10	
THETNOR 8.4210E+01	8.4398E+01 3.2173E-61	8.5205E+01 6.3013E-01		8.6507E+01 1.0248E+00	8.2430E+01 9.0308E-01	8.2953E+01 6.3860E-01	8.3717E+01	e.4004E+01 -7.2368E-11	
XBAR 0. XBHLD 0.		5.7069E-01	5.8962E-01	8.5053E-01	3.1037E-01	7.5249E-02	9.1059E-03	-7.2368E-11	
YBAR -6.3239E-01 YBHLD -6.3239E-01	-5.9990E-01	-4.9733E-01	-3.0393E-01	-1.9545E-11 3.5166E-01	3.1117E-01 6.2669E-01	5.1496E-01 6.5204E-01	6.2451E-01 6.5917E-01	6.6015E-01 6.6015E-01	
ETA 5.6440E-03	- 5.4250E-03	-5.1710E-01 4.9132E-03	4.0992E-03	4.2414E-03	5.9650E-03	8.2996E-03	5.8623E-03	1.0477E-02	
G -2.3442E-02 DEGNS 5.7590E+00	-2.3225E-C2	-2.5037E-02 5.83C2E+00	-2.5712E-02	-3.0364E-02	-3.2144E-02	-3.1622E-02 6.0058E+00	-2.7924E-02 5.9432E+00	-2.7309E-02 5.9251E+C0	
AM 6.1588E+00	6.1424E+00	6.09546+00	6.0743E+00	6.2756E+00	6.9480E+00	7.3376E+00	1.51756+00	7.59026+00	
CROSSM 6.1525E-02 SBAR 9.1142E-02	6.1424E+00 8.9588E-02 9.3553E-02	1.0730E-01	8.2678E-02	3-8915E-01	7.8558E-01	7.1176E-01	4.01C4E-01	8.5187E-02	
POROGAM 1.2226E-02 PT/PTINF 7.9624E-01	1.22556-02	9.8941E-02 1.2321E-02	1.2315E-C2	9.2613E-02 1.2244E-02	1.2087E-02	5.9393E-02 1.1844E-02	2.5438E-02 1.1448E-02	7.0168E-04 1.1169E-02	
PT/PTINF 7.9624E-01	7.9146E-01	7.8087E-01	7 01/5/ 61	2 02225-01	6.1923E-01	8.6202E-01	5.3835E-OL	9.9825E-C1	
BERNOUL 1.9092E-10	8.6237E+01	8.5083E+01	-5.9298F-05	8.6440E+01 7.5316E-C4	8.9263E+01 -1.3886E-04	9.3926E+01	1.0225E+0Z -1.4311E-04	1.0877E+02 6.3489E-09	
PT 8.6759E-01  BERNOUL 1.9092E-10  DPDZ -1.0582E-03  DUDZ -1.2982E-03	-1-0282E-03	-1.3430E-03	-1.7225E-03	3.2009E-03	9.2967E-03	4.5325E-03	1.1050E-03	-4.8085E-05	
DUDZ -1.2982E-03 DVDZ -2.2813E-01	-8-8693E-04	-1.0460E-03	-1.2830E-03	2.5754E-C3	8.1309E-03	1.3787E-02	1.1891E-02	-2.7628E-C3	
DUD! - 7 01436-16	-4.5439E-03	4.6099E-03	-6.7275E-02	-2.1973E-02	-1.0399E-01	-3.0613E-02	2.7978E-02	-6.8914E-12	
DSBDZ -1.3448E-29 PP -2.6589E-15	-5-0379E-03	-3.5650E-03	-1.6643E-03	-3.2181E-02	-1.4085E-01	-3.C473E-01	-2.6974E-01	-1.0834E-24	
UP -5.8552E-15	-3.1186E-02	-3.5183E-02	1.1211E-02	1.7027E-01	2.9606E-01	2.6153E-C1	1.59878-01	-3.7966E-13	
DSBD2 -1.3448E-29 PP -2.6589E-15 UP -5.8552E-15 VP -8.8885E-16 MP -5.0200E-01	-8.1920E-03	-2.2951E-02	-2.5683E-02	5.0515E-02	4. 7058E-02	-4.8280E-02	-4-3779E-02	5.7455E-15	
MP -5.0200E-01 SBARP -4.0646E-15	8.6189E-G2	5.5695E-02	-5.5150E-G2	-1.6394E-01	-2.8875E-01	-5.1313E-01	-6.21 8CE-01	1.2398E-14	
			ZETA= 5.000	COCOOOE-05					
1=1	I=2	1=3			6=1	1=7	1=8	1=9	I=10
A.ARTSE_02	i=2	1=3	J=4 5.01C1E-02	1*5 4.1013E-02	r=6 2.2127E-02	]=7 1.6600E-02	1=8 1.56C2E-02	1.5657E-02	I=10
A.ARTSE_02	i=2	;=3 4.8958E-02 2.7246E-01	J=4 5.01C1E-02 2.7883E-C1	1*5 4.1013E-02	[=6 2.2127E-02 1.2314E-01	J=7 1.6600E-02 9.2381E-02	1=8 1.56C2E-02 8.6830E-C2	1.5657E-02 8.7134E-02	I=10
P 4.6815E-02 P/ROASTSQ 2.6054E-01 P/PILNE 4.2965E-04	I=2 4.73C7E-02 2.6327E-C1 4.3417E-C4	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00	J=4 5.01ClE-02 2.7883E-C1 4.5981E-C4 4.4891E+00	1=5 4.1013E-02 2.2824E-01 2.7640E-C4 3.6747E+00	r=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00	1=8 1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00	1=10
P 4.6815E-02 P/ROASTSQ 2.6054E-01 P/PTINF 4.2965E-04 P/PINF 4.1947E+00	1=2 4.73C7E-02 2.6327E-01 4.3417E-C4 4.2387E+00 2.6236F+00	]=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E-00 2.6786E-00	J=4 5.01ClE-02 2.7883E-Cl 4.5981E-C4 4.4891E-00 2.7244F-800	1=5 4-1013E-02 2-2824E-01 2-7640E-C4 3-6747E-00 2-36345-00	I=6  2.2127E-02 1.2314E-01 2.0307E-04 1.9826E-00	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00	1=8 1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00 1.2276E+00	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00	I=10
P 4.6815E-02 P/ROASTSQ 2.6054E-01 P/PTINF 4.2965E-04 P/PINF 4.1947E+00	1=2 4.73C7E-02 2.6327E-01 4.3417E-C4 4.2387E+00 2.6236F+00	]=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E-00 2.6786E-00	J=4 5.01ClE-02 2.7883E-Cl 4.5981E-C4 4.4891E-00 2.7244F-800	1=5 4-1013E-02 2-2824E-01 2-7640E-C4 3-6747E-00 2-36345-00	I=6  2.2127E-02 1.2314E-01 2.0307E-04 1.9826E-00	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.4835E-00 1.2565E+00 2.3318E+00 -1.1129E-02	1=8 1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00 1.2276E+00 2.3435E+00 -1.2175E-02	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00	I=10
P 4.6815E-02 P/ROASTSQ 2.6054E-01 P/PFINF 4.2965E-04 P/FINF 4.1947E-00 RHO 2.6092E-00 U 2.3024E-00 V -1.1546E-02	I=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E+00 2.6236E+00 2.3015E+00 -1.1328E-02	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.6786E+00 2.2994E+00 -1.2125E-02 3.2865E-02	ZETA= 5.004 j=4 5.01C1E=02 2.7883E=C1 4.5981E-C4 4.4851E+00 2.7244+60 2.2986E+C0 -1.2664E-02 2.2882E-C2	1-5 4-1013E-02 2-2824E-01 2-7640E-C4 3-6747E+00 2-3685E+C0 2-3020E+00 -1-3372E-02 1-4159E-01	I=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00 2.3164E+00 -1.0597E-02 2.6863E-C1	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.2565E+00 2.3318E+00 -1.1129E-02 2.2816E-01	1=8 1.56C2E-02 8.6630E-C2 1.4319E-04 1.39ECE+00 1.2276E+00 2.3435E+00 1.2175E-02 1.1975E-01	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 -1.3499E-02	I=10
P 4.6815E-02 P/ROASTSQ 2.6054E-01 P/PFINF 4.2965E-04 P/FINF 4.1947E-00 RHO 2.6092E-00 U 2.3024E-00 V -1.1546E-02	I=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E+00 2.6236E+00 2.3015E+00 -1.1328E-02	1=3 4.8958E-02 2.7246E-01 4.492E-04 4.3866E+00 2.6786E+00 2.2994E+00 -1.2125E-02 2.2865E-02 2.2869E+00	J=4 5.01ClE-02 2.7883E-Cl 4.5981E-C4 4.4891E-00 2.7244F-800	1=5 4.1013E-02 2.2824E-01 2.7640E-C4 3.6747E+00 2.3683E+C0 2.3020E+00 -1.3372E-02 1.4159E-01 2.2685E+00	1=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00 2.3164E+00 -1.0597E-02 2.6863E-02 2.3644E+00	1-7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00 2.3318E+00 -1.1129E-02 2.2816E-01 2.3245E+00	1=8 1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00 1.2276E+00 2.3435E+00 -1.2175E-02 1.1979E-01 2.3324E+00	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 -1.3499E-02 0. 2.3367E+00	I=10
P	I=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E+00 2.6236E+00 2.3015E+00 -1.1328E-02	I=3 4.8958E-02 2.7246E-01 4.49:2E-04 4.3866E+00 2.6766E+00 -1.2125E-02 -2.2869E+00 2.7107E-01 1.1087E-01	ZETA= \$.000 j=4 5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4881E+00 2.7244E+00 2.2966E+C0 -1.2604E-02 2.2852E-02 2.2852E-02 1.7415E-01 1.7415E-01	1.5 4.1013E-02 2.2824E-01 2.7640E-C4 3.6747E+00 2.3683E+C0 2.3920E+00 -1.3372E-02 1.4159E-01 2.2685E+00 3.9729E-01 1.4159E-01	1=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00 2.3164E+00 -1.0597E-02 2.6863E-01 2.3044E+00 3.3849E-01 1.1552E-01	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00 2.3318E+00 -1.1129E-02 2.2816E-01 2.3245E+00 2.8143E-01 8.2017E-02	1=8 1.56C2E-02 8.6630E-C2 1.4319E-04 1.39EC+00 1.2276E+00 2.3435E+00 -1.2175E-02 1.1976E-01 2.3324E+00 2.5440E-01 3.8420E-02	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 2.3496E+00 -1.3499E-02 0. 2.3367E+00 2.4602E-01 1.8407E-01	I±10
P	I=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E+00 2.6236E+00 2.3015E+00 -1.1328E-02 -2.4767E-02 2.2875E+00 5.5089E-02 2.5033E-01	1=3 4.8958E-02 2.7246E-01 4.492E-04 4.3866E+00 2.6786E+00 7.2125E-02 2.2865E-02 2.2805E-01 1.1067E-01 1.9189E-01	1=4 5.01C1E-02 2.7883E-C1 4.5981E-C4 4.5981E-C4 2.7244E+00 2.7244E+00 2.2286E+00 3.2892E-C1 1.7415E-01 3.7126E-01	1-5 4-1013E-02 2-2824E-01 2-7640E-C4 3-6747E-00 2-3683E-C0 2-3020E-00 1-3372E-02 1-4159E-01 2-2685E-01 1-4159E-01	I=6  2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00 2.3164E+00 2.3164E-02 2.6863E-01 2.3044E-02 1.1552E-01 1.1552E-01 2.6323E-01	I=7 1.6600E-02 5.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00 2.3318E+00 2.3318E-01 2.3245E-01 2.3245E-01 8.2017E-02 2.1487E-01	1=8  1.56C2E-02  2.6830E-C2  1.4319E-04  1.398CE+00  1.2216E+00  2.3495E+00  1.171E-02  1.171E-02  2.1440E-02  2.5440E-03  3.8420E-02  2.32C6E-01	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 2.3496E-02 0. 2.3367E-00 2.4602E-01 1.8407E-11 2.4602E-01	I=10
P 4.6815E-02 P/ROASTSQ 2.6054E-01 P/PP(1NF 4.295E-04 P/PP(NF 4.1947E-00 U 2.3024E-00 V -1.1546E-02 M 0. UC 2.2901E-00 VC 2.3721E-01 UC 2.3721E-01 UC 2.3721E-01 UC 2.3721E-01 UC 0.6069E-16	1=2 4.73C7E-02 2.6327E-01 4.3417E-04 4.2387E+00 2.6023EE+00 -1.1328E-02 -2.4767E-02 2.2875E+00 2.4504E-01 5.5089E-02 2.5033E-01 -2.0309E-02	1=3 4.8958E-02 2.7246E-01 4.493E-04 4.3866E-00 2.6786E-00 2.2994E-00 -1.2125E-02 2.2869E-00 2.7107E-01 1.1067E-01 2.9199E-01 2.9199E-01	1=4  5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4981E-00 2.7244E-00 2.7244E-00 2.296E-02 2.2682E-02 2.2682E-02 1.7415E-01 1.7415E-01 2.5987E-02	1×5  4.1013E-02 2.2824E-01 2.7640E-04 3.6747E+00 2.3020E+00 -1.3372E-02 1.4159E-01 1.4159E-01 1.4159E-01 1.4159E-01 1.4159E-01 1.4159E-01	1=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E-00 2.3164E-00 2.3164E-00 2.3646E-01 2.3646E-01 2.3646E-01 2.3646E-01 2.3646E-01 2.3646E-01 1.1522E-01 2.6232E-01 2.6232E-01	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E-00 2.3318E-00 2.3318E-00 2.3345E-00 2.3345E-01 2.3245E-01 2.3245E-01 2.3245E-01 1.9940E-01 1.9940E-01 1.9940E-01	1=8  1.56C2E-02 e.6830E-C2 1.4319E-04 1.39EC5+00 2.34355+00 2.34355+00 2.33246-01 2.33246-03 3.8420E-02 2.3266-01 1.1105E-01 1.2054E-02	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 2.3496E+00 -1.3499E-02 0. 2.3367E+00 2.4602E-01 1.8407E-11 2.4602E-01 9.5236E-13 -2.8708E-11	I=10
P	1=2 4.73C7E-02 2.6327E-01 4.3417E-04 4.2387E+00 2.6023EE+00 -1.1328E-02 -2.4767E-02 2.2875E+00 2.4504E-01 5.5089E-02 2.5033E-01 -2.0309E-02	1=3 4.8958E-02 2.7246E-01 4.492E-04 4.3866E+00 2.2994E+00 -1.2125E-02 2.2865E-02 2.2865E-02 2.7107E-01 1.1087E-01 -2.3906E-02 2.1568E-01 -2.3906E-02 -1.9791E-01 -1.2980E+00	2ETA= 5.000 1=4 5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4981E-00 2.7244E-00 2.7244E-00 2.7285E-02 2.2684E-00 3.2850E-01 1.7126E-01 2.5987E-02 3.6036E-01 -9.2914E-02 2.268E-00	1×5  4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E-00 -1.3372E-01 2.2685E-00 1.4159E-01 1.4159E-01 1.4159E-01 1.4159E-01 1.4159E-01 1.4159E-01	1=6  2.2127E-02 1.2314E-01 2.0307E-04 1.9826E-00 2.3164E-00 -1.0597E-02 2.3648E-01 2.3648E-01 2.3648E-01 2.3648E-01 1.1522E-01 2.6823E-01 2.4214E-01 3.1346E-01 3.1346E-01 3.1346E-01	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E-00 1.3565E-00 2.3318E-00 2.3245E-00 2.3245E-00 8.2017E-02 2.1447E-01 1.9940E-01 2.9846E-02 2.8954E-01 2.3245E-00	1=8  1.56C2E-02 e.6830E-C2 e.6830E-C4 1.39EC=00 1.2316F-00 2.3435F-00 2.3435F-00 2.3324F-00 3.8420E-02 2.32C6F-01 1.105E-01 1.2054E-02 2.57C0E-01 2.3224E-00	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 -1.3499E-02 0. 2.4502E-01 1.8407E-11 2.4602E-01 9.5236E-13 -2.8708E-11 2.4502E-01 2.3367E+00	I=10
P	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C1 4.3417E-C1 4.3237E-00 2.6236E+00 2.3015E+00 2.3015E+00 2.4576E-02 2.2675E+00 2.4504E-01 2.5038E-01 2.5038E-01 2.2075E-00 2.5518E-01 2.2075E-01 2.2075E-01 2.2075E-01	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.4974E+00 1.2125E-02 -3.2865E-02 2.7107E-01 2.9189E-01 2.9189E-01 2.1958E-02 2.1568E-01 2.2809E+00 5.4067E+00	2ETA- 5.000  1=4  5.01C1E-02 2.7883E-C1 4.5981E-02 2.7244E-02 2.724E-02 2.282E-02 2.262E-02 3.2890E-01 1.7415E-01 2.598TE-02 3.6036E-01 2.7126E-02 2.664E-00 9.0266E-00	4.1013E-02 2.2824E-01 3.7640E-04 3.6747E-00 2.3020E-00 1.3372E-02 1.4159E-01 2.2085E-01 2.1459E-01 3.7138E-01 1.4159E-01 3.7138E-01 1.4159E-01 3.7138E-01 3.7138E-01 3.7138E-01 3.7138E-01	1=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00 2.3164E+00 2.3164E+00 3.3849E-01 2.6323E-01 1.1552E-01 2.4214E-01 1.7224E-01 1.7224E-01 2.3044E+00 2.3044E+00 2.3044E+00 2.3044E+00 2.4214E-01 2.724E-01 2.724E-01 2.724E-01	1-7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 2.3318E+00 2.3318E-00 2.3143E-01 2.3245E-01 2.3245E-01 4.5829E-02 2.8934E-01 2.8934E-01 2.8934E-01	1=8  1.56C2E-02 8.683CE-C2 8.683CE-C2 1.4319E-04 1.398CE-00 2.3435E-00 2.3435E-00 2.1197E-01 1.107E-01 1.107E-01 1.107E-01 2.3324E-00 2.540E-02 2.32C6E-01 2.054E-02 2.372CE-01 2.3324E-00	1.56576-02 8.71346-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 -1.3499E-02 0. 2.4502E-01 1.84976-11 2.4602E-01 2.4502E-02 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.4502E-01	I=10
P/ROASTSQ 2.6054E-01 P/PFINF 4.2965E-04 P/PFINF 4.2965E-04 P/PFINF 4.1947E-00 U 2.3022E-00 U 2.3022E-00 U 2.3721E-01 WC 2.2901E-00 WC 2.3721E-01 WC 3.4066E-18 VC 2.3721E-01 WC 0.505	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E-00 2.6236E+00 2.3015E-00 2.11328E-02 2.4767E-02 2.2877E+00 2.4504E-01 2.55089E-01 2.5038E-01 2.0309E-02 1.0107E-01 2.2953E-01 2.2953E-01 2.2955E-00	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.2946E+00 1.2125E-02 -3.2665E-02 2.7107E-01 2.9199E-01 1.1067E-01 2.9199E-01 1.9701E-01 2.2809E+00 5.4067E+00 5.4067E+00	2ETA= 5.00  1=4  5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4891E-00 2.7244E-00 2.7246E-00 3.2890E-01 3.7126E-01	1×5  4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E-00 1.3372E-02 1.4159E-01 2.2085E-01 1.4159E-01	1=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00 2.3164E+00 2.3164E+00 2.3044E-01 2.3044E-01 2.3044E-01 2.4323E-01 2.4323E-01 2.4323E-01 2.4214E-01 3.1346E-04 4.2745E+00 4.2745E+00	1=7 1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00 2.3318E-00 2.3318E-00 2.3245E-01 2.3245E-01 2.3245E-02 2.1407E-02 2.1407E-02 2.1407E-02 2.1407E-01 1.9940E-01 4.5829E-02 2.8954E-01 2.3245E-00 1.1255E+00 6.2901E+01	1=8  1.56C2E-02 2.6630E-C2 1.4319E-04 1.39EC5+00 1.2716E+00 2.3435E+00 1.2175E-02 1.1975E-01 3.8420E-02 2.32C6E-01 1.1C5E-01 1.2054E-02 2.57C0E-01 2.3224E+00 2.7710E-01 2.3324E+00	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 2.3496E+00 -1.3399E-02 2.3367E-00 2.4502E-01 1.8407E-11 2.4602E-01 9.5236E-11 2.4602E-01 -2.3367E+00 -7.0392E-10 8.3990E+01	I=10
P/ROASTSQ 2.6054E-01 P/PFINF 4.2965E-04 P/PFINF 4.2965E-04 P/PFINF 4.1947E-00 U 2.3022E-00 U 2.3022E-00 U 2.3721E-01 WC 2.2901E-00 WC 2.3721E-01 WC 3.4066E-18 VC 2.3721E-01 WC 0.505	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E-00 2.6236E+00 2.3015E-00 2.11328E-02 2.4767E-02 2.2877E+00 2.4504E-01 2.55089E-01 2.5038E-01 2.0309E-02 1.0107E-01 2.2953E-01 2.2953E-01 2.2955E-00	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.2946E+00 1.2125E-02 -3.2665E-02 2.7107E-01 2.9199E-01 1.1067E-01 2.9199E-01 1.9701E-01 2.2809E+00 5.4067E+00 5.4067E+00	2ETA= 5.00  1=4  5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4891E-00 2.7244E-00 2.7246E-00 3.2890E-01 3.7126E-01	1×5  4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E+00 2.3020E+00 2.3020E+00 2.3020E+00 1.3372E-02 1.4159E-01 2.4055E-01 2.4159E-01 1.4159E-01	1=6 2.2127E-02 1.2314E-01 2.0307E-04 1.9826E+00 2.3164E+00 2.3164E+00 2.3044E-01 2.3044E-01 2.3044E-01 2.152E-01 1.1552E-01 1.7224E-01 3.1346E-00 4.2745E+00 6.9015E-01 1.7556E-01	1=7  1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00 2.3318E-00 2.3318E-00 2.3245E-01 2.3245E-01 2.3245E-02 2.1407E-02 2.1407E-02 2.1407E-01 1.9940E-01 4.5829E-02 2.3245E-00 6.28145E-00 6.28145E-00	1=8  1.56C2E-02 2.6630E-C2 1.4319E-04 1.39EC5+00 1.2276E+00 2.3435E+00 1.2175E-02 1.1975E-01 2.3324E+00 2.3426E-01 3.8420E-02 2.32C6E-01 1.1C5E-01 1.2054E-02 2.57C0E-01 2.3224E+00 2.9710E-01 2.3124E+00 2.9710E-01 2.3124E+00 2.9710E-01 2.3124E+00 2.9710E-01 4.6112E-03	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 0.2739E+00 0.3899E-02 2.3367E-00 2.4502E-01 1.8407E-11 2.4602E-01 9.5236E-11 2.4602E-01 -7.0392E-10 -7.0392E-10 -7.1093E-11	I=10
P	1=2 4.73C7E-02 2.6327E-C1 4.33417E-C4 4.2347E-C4 4.2347E-C9 2.627SE-00 2.627SE-00 2.457SE-02 2.2877SE-02 2.2877SE-03 2.2877SE-03 2.2877SE-03 2.2877SE-03 2.2874SE-03 2.2874SE-	1-3 4.8958E-02 2.7246E-01 4.492E-04 4.3866E-00 2.2904E-00 1.2125E-02 -3.2865E-02 2.7107E-01 2.9109E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-04 2.3908E-01 2.3008E-01 4.8455E-01 4.8455E-01 4.8455E-01	2ETA= 5.000  1=4  5.01C1E-02 2.7883E-C1 4.4891E-00 4.4891E-00 2.7244E-02 2.7865E-01 1.2604E-02 2.2864E-00 3.2890E-C1 1.741E-C1 1.741E-C1 1.741E-C1 2.2664E-00 9.0266E-00 9.0266E-00 9.0266E-00 9.0266E-01 8.8610E-01 2.5928E-01 2.5938E-01 2.5959E-01	1×5  4.10.13E-02 2.2824E-01 2.7640E-C4 3.6747E-00 2.3633E-C0 2.3633E-C0 2.3625E-00 3.713E-01 1.4159E-01 1.4159E-01 1.4159E-01 2.138E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01	1=6 2.2127E-02 1.2314E-01 1.9826E-00 1.5326E-00 2.3164E-00 2.3164E-00 2.364E-00 3.3849E-01 1.1552E-01 2.6323E-01 1.7224E-01	1-7  1.6600E-02  9.2381E-02  1.5235E-04  1.4873E-00  2.3318E-00  2.3318E-00  2.3143E-01  2.3245E-00  2.4147E-01  4.5829E-02  2.4875E-01  2.3245E-00  2.2995E-01  2.3245E-01  2.3245E-01  2.3245E-01  2.3245E-01  2.3245E-01  3.8644E-02  3.8644E-02  3.8644E-02  4.9336E-01	1=8  1.56C2E-02 8.683CE-C2 8.683CE-C2 1.4319E-04 1.39EC5-00 2.34355E-00 2.34355E-00 2.11975E-01 1.2175E-02 1.1975E-01 1.11C5E-01 1.21C5E-01 2.3324E-00 2.3324E-00 2.3324E-00 2.3324E-00 2.3710E-01 4.6812E-03 3.6712E-01	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 2.3496E+00 2.4602E-01 1.8407E-11 2.4602E-01 2.4602E-01 2.4502E-01 2.4502E-01 2.4502E-01 2.7356E-10 2.7356E-10 2.7509E-11 2.7509	1=10
P	1=2 4.73C7E-02 2.6327E-C1 4.33417E-C4 4.2347E-C4 4.2347E-C9 2.627SE-00 2.627SE-00 2.457SE-02 2.2877SE-02 2.2874SE-03 2.2874SE-	1-3 4.8958E-02 2.7246E-01 4.492E-04 4.3866E-00 2.2904E-00 1.2125E-02 -3.2865E-02 2.7107E-01 2.9109E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-04 2.3908E-01 2.3008E-01 4.8455E-01 4.8455E-01 4.8455E-01	2ETA= 5.000  1=4  5.01C1E-02 2.7883E-C1 4.4891E-00 4.4891E-00 2.7244E-02 2.7865E-01 1.2604E-02 2.2864E-00 3.2890E-C1 1.741E-C1 1.741E-C1 1.741E-C1 2.2664E-00 9.0266E-00 9.0266E-00 9.0266E-00 9.0266E-01 8.8610E-01 2.5928E-01 2.5938E-01 2.5959E-01	1×5  4.10.13E-02 2.2824E-01 2.7640E-C4 3.6747E-00 2.3633E-C0 2.3633E-C0 2.3625E-00 3.713E-01 1.4159E-01 1.4159E-01 1.4159E-01 2.138E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01	1=6 2.2127E-02 1.2314E-01 1.9826E-00 1.5326E-00 2.3164E-00 2.3164E-00 2.364E-00 3.3849E-01 1.1552E-01 2.6323E-01 1.7224E-01	1-7  1.6600E-02  9.2381E-02  1.5235E-04  1.4873E-00  2.3318E-00  2.3318E-00  2.3245E-01	1=8  1.56C2E-02 8.683CE-C2 8.683CE-C2 1.4319E-04 1.398CE+00 2.3435E+00 2.3435E+00 2.1-1976E-01 1.2175E-02 1.1976E-01 1.11C5E-01 1.216E-01 2.3324E+00 2.3710E-01 2.3712E-01 4.6812E-03 4.6812E-03 4.5912E-03 4.6812E-03	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 0.2490E-02 1.3499E-02 0.24002E-01 2.4002E-01 2.4002E-01 2.4002E-01 2.4002E-01 2.4002E-01 2.4002E-01 2.336TE+00 6.3990E+01 7.1093E-11 7.1093E-11 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01	1=10
P	1=2 4.73C7E-02 2.6327E-C1 4.33417E-C4 4.2347E-C4 4.2347E-C9 2.627SE-00 2.627SE-00 2.457SE-02 2.2877SE-02 2.2874SE-03 2.2874SE-	1-3 4.8958E-02 2.7246E-01 4.492E-04 4.3866E-00 2.2904E-00 1.2125E-02 -3.2865E-02 2.7107E-01 2.9109E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-02 2.1909E-04 2.3908E-01 2.3008E-01 4.8455E-01 4.8455E-01 4.8455E-01	2ETA= 5.000  1=4  5.01C1E-02 2.7883E-C1 4.4891E-00 4.4891E-00 2.7244E-02 2.7865E-01 1.2604E-02 2.2864E-00 3.2890E-C1 1.741E-C1 1.741E-C1 1.741E-C1 2.2664E-00 9.0266E-00 9.0266E-00 9.0266E-00 9.0266E-01 8.8610E-01 2.5928E-01 2.5938E-01 2.5959E-01	1×5  4.10.13E-02 2.2824E-01 2.7640E-C4 3.6747E-00 2.3633E-C0 2.3633E-C0 2.3625E-00 3.713E-01 1.4159E-01 1.4159E-01 1.4159E-01 2.138E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01 1.4159E-01 2.713E-01	1=6 2.2127E-02 1.2314E-01 1.9826E-00 1.5326E-00 2.3164E-00 2.3164E-00 2.364E-00 3.3849E-01 1.1552E-01 2.6323E-01 1.7224E-01	1-7 1.6600E-02 9.2381E-02 1.4873E-00 1.4873E-00 1.2565E-00 2.3315E-02 2.3315E-02 2.3315E-02 2.3145E-01 2.3245E-01 2.3245E-01 2.3245E-01 1.1255E-01 6.2822E-01 3.8664E-01 6.2822E-01 4.1498E-03 4.1498E-03	1=8  1.5602E-02 2.6630E-C2 1.4919E-04 1.3980E-00 1.3980E-00 2.34590 1.2746-00 2.343919E-02 1.1919E-02 2.5440E-01 2.3246-00 2.3726E-02 2.5700E-01 1.1059E-01 1.2054E-02 2.5700E-01 2.3246-00 2.9710E-01 2.1175-01 4.6812E-03 5.6712E-01 4.9312E-03	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 0.2729E+00 0.32729E+00 0.3367E-00 1.34697E-11 2.4602E-01 9.5236E-13 2.3367E+00 -7.039E-11 2.3367E+00 -7.039E-11 6.3006E-01 5.2383E-03 -1.1140E-02	1=10
P	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E-00 2.6236E+00 2.3015E-00 2.11328E-02 2.4767E-02 2.2875E+00 2.4504E-01 5.508E-02 2.10177E-01 -2.0308E-02 2.5033E-01 -2.0308E-02 1.0177E-01 -2.2875E+00 2.4576E-01 2.1126E-03 3.1863E-01 2.1527E-02 5.61408E-00	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.2946E+00 1.2125E-02 -3.2665E-02 2.2869E+00 2.7107E-01 2.9199E-01 -1.9701E-01 2.2809E+00 5.4067E-00 6.2338E-01 6.2338E-01 6.2338E-01 6.2338E-01 6.2338E-01 6.235E-01	2ETA- 5.00  1=4  5.0101E-02 2.7883E-01 4.9801E-04 4.9801E-04 4.7244E-00 2.2965E-00 1.2604E-02 2.2682E-02 2.2682E-00 3.2890E-01 1.7415E-01 2.5997E-02 2.2682E-00 9.0266E-00 9.0266E-01 2.5997E-01 2.5997E-01 2.5997E-01 2.6948E-01 2.9997E-01 2.6948E-01 2.9997E-01 2.6948E-01 2.9997E-01 2.6948E-01 2.9997E-01	1×5  4.1013E-02 2.2824E-01 2.7640E-04 3.6747E+00 2.3020E+00 1.3372E-02 1.4159E-01 3.713E-01 3.13E-01 1.4159E-01 3.13E-01 1.4159E-01 1.4159E-01 1.4159E-01 2.2685E+00 6.780TE-00 6.780TE-00 6.1148E-01 -1.4159E-01 2.124E-00 6.780TE-00 6.1148E-01 -1.4590E-02 5.1348E-01	1=6 2,2127E-02 1,2314E-01 1,9307E-04 1,9826E+00 2,3164E+00 1,0597E-02 2,6863E-01 2,3044E-01 2,3044E-01 2,4214E-01 3,1346E-01 2,4214E-01 3,1346E-01 2,4214E-01 3,1346E-01 2,7224E-01 2,7224E-02 2,7224E	1=7  1.6600E-02 9.2381E-02 1.5235E-04 1.4873E-00 1.3555E-00 1.3186E-00 2.3186E-00 2.3143E-01 1.3245E-01 1.9540E-01 1.9540E-01 1.9540E-01 1.9540E-01 1.9540E-01 1.3245E-00 1.1255E-00 1.1255	1=8  1.56C2E-02 2.6630E-C2 1.4319E-04 1.39EC5+00 1.2716E+00 2.3435E+00 2.5440E-01 2.3324E+00 2.5440E-02 2.3226E-01 1.11C5E-01 1.11C5E-01 2.3712E-02 2.3712E-03 2.5710E-03 2.2117E-04 2.3117E-04 2.3117E-04 2.3117E-04 2.3117E-04 2.3117E-01	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 2.3496E+00 -1.3499E-02 2.4002E-01 1.8407E-01 1.8407E-01 2.4602E-01 2.4602E-01 2.4602E-01 2.336E-13 2.336E-13 2.336E-00 -7.039E-10 -7.1083E-11 -7.1083E-11 6.3006E-01 5.2383E-03 -1.3740E-02 5.7543E+00	I=10
P	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C1 4.3417E-C1 4.3417E-C1 4.3417E-C1 2.6226E-00 2.3015E-00 2.3015E-00 2.3076E-00 2.303E-01 2.3076E-02 2.303E-01 2.2036E-02 1.0197E-01 2.2036E-02 1.2036E-02 1.2036E-03 1.2036E-03 1.5518E-01 1.5248E-03 1.5248E-03 1.5248E-03 1.5248E-03 1.5248E-03 1.5248E-03 1.5248E-03 1.5248E-03 1.7125E-03 1.15278E-03 1.7125E-03 1.7125E-	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.38666e00 2.29646e00 2.2158E-02 2.2869E-02 2.107E-01 2.9189E-01 2.9189E-01 2.9189E-01 2.9306E-02 2.1588E-01 2.3906E-02 2.1588E-01 2.3908E-00 4.5038E-01 5.5011E-01	1=4  5.01C1E-02 2.7883E-C1 4.5981E-C1 4.5981E-C1 2.7244E-C0 2.2986E-C0 3.2892E-C2 2.2682E-C2 3.2892E-C1 3.7126E-C1 1.7415E-C1 2.5987E-C2 3.6036E-C1 5.6928E-C1 6.7772E-C1 6.7772E-C1 6.7772E-C1 6.7772E-C1	1×5  4.1013E-02 2.2824E-01 2.7640E-C4 3.6747E-00 2.3020E+00 1.3372E-02 1.4159E-01 2.7032E-01	1-6 2.2127E-02 1.2314E-01 1.9307E-04 1.9826E-00 2.3164E-00 2.3164E-00 3.3849E-01 2.3044E-0 1.15526-01 2.4214E-01 1.7224E-01 1.7224E-01 2.4214E-01 2.5906E-01 2.9062E-01 2.9062E-01 2.9062E-01	1-7  1.6600E-02  4.2381E-02  1.5235E-04  1.4813E-02  1.3255E-00  1.3255E-00  2.3318E-00  2.3318E-00  2.3143E-01  2.3245E-00  2.4954E-01  2.3245E-00  1.2555E-00  1.2555E-00  1.2555E-00  1.255E-00  1.2555E-00  1.255E-00  1.2555E-00  1.2	1=8  1.56c2E-02 8.683CE-C2 8.683CE-C2 1.4319E-04 1.398CE-00 2.3435E-00 2.3435E-00 2.11975E-01 1.2175E-02 1.1975E-01 1.11c5E-01 1.2054E-02 2.3224E-00 2.3324E-00 2.3710E-01 8.3712E-01 4.6812E-03 5.5712E-01 4.6812E-03 5.5712E-01 4.9312E-03 -1.3613E-02 7.4568E-00 7.4568E-00	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 2.3496E+00 2.336TE+00 2.4602E-01 1.8407E-11 2.4602E-01 2.4502E-01 2.4502E-01 2.336TE+00 6.3906E-01 6.3906E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01 6.3006E-01	I=10
P/ROASTSQ 2.6054E-01 P/P/TINF 4.2955E-04 P/P/TINF 4.2955E-04 P/P/TINF 4.1947E-00 U 2.3024E-00 U 2.3024E-00 V -1.1546E-02 W 0. UC 2.2901E-00 VC 2.3721E-01 WC 4.0669E-16 VCC 2.3721E-01 WC 0. VX	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C1 4.3417E-C1 4.3417E-C1 2.6226E+00 2.3015E+00 2.3015E+00 2.3015E+00 2.3076E+00 2.3676E+01 2.3676E+01 2.3676E+01 2.2676E+01 2.2676E	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.38666900 2.29646900 2.12125E-02 -3.2865E-02 2.28696900 2.7107E-01 2.9189E-01 2.1979E-01 2.28096900 6.5038691 5.5011E-01 6.0939E-00 6.0939E-00 6.0939E-00	1=4  5.01C1E-02 2.7883E-C1 4.5981E-C1 4.5981E-C1 2.7244E-C0 2.2986E-C0 3.2892E-C2 2.2682E-C2 3.2692E-C1 3.7126E-C1 1.7415E-C1 2.5987E-C2 3.6036E-C1 5.6928E-C1 5.6938E-C2 5.7772E-00 6.8945E-C2 5.8553E-C2 5.8553E-C2	1×5  4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E+00 1.3372E-02 1.4159E-01 2.7650E-01 2.7039E-01 1.4159E-01 2.7039E-01 1.4159E-01 2.7039E-01 1.4159E-01 1.5168E-01 1.5168E-01 1.5168E-01 1.5168E-01 1.5168E-01 1.5168E-01 1.5168E-01 1.5168E-01	1-6  2.2127E-02 1.2314E-01 1.9307E-04 1.9826E+00 2.3164E+00 2.3164E+00 3.3849E-01 2.3044E-0 1.15526-0 2.3044E-0 1.1552E-0 1.7224E-0 1.72	1-7  1.6600E-02  9.2381E-02  1.5235E-04  1.4813E-02  1.3255E-00  1.3255E-00  1.3255E-00  2.3185E-00  2.3143E-01  2.3245E-00  2.4934E-01  2.3245E-00  1.255E-00  8.2901E-01  1.255E-00  8.2901E-01  1.255E-00  8.2901E-01  1.255E-00  8.2901E-01  7.711E-02  7.711E-02  7.7110E-02  7.7110E-02	1=8  1.56c2E-02 8.683C-c2 8.683C-c2 1.4319E-04 1.398CE-00 2.3435E-00 2.3435E-00 2.11975E-01 1.2175E-02 1.1975E-01 1.11c5E-01 1.216E-01 2.3324E-00 2.3324E-00 2.3324E-00 2.3324E-00 2.3324E-00 2.3324E-00 2.3710E-01 4.6812E-03 3.6712E-01 4.6812E-03 7.47568E-00 7.4568E-00 4.786E-02 4.786E-02 4.786E-02 4.786E-02	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E-00 1.2729E+00 2.3349E-02 0. 2.336TE+00 2.4602E-01 1.8407E-11 2.4602E-01 2.4502E-01 2.4502E-01 2.336TE+00 6.3906E-01 6.3906E-01 6.3006E-01	1=10
P	1=2 4.73C7E-02 2.6327E-C1 4.33417E-C4 4.2387E-00 2.6226E-00 2.6276E-00 2.4576F-00 2.5518E-00 2.26776E-02 2.26776E-02 2.26776E-02 2.2676E-00 2.2576E-00 2.266E-02 2.266E-02 2.266E-02 2.266E-02 2.266E-02 2.266E-02	1-3 4.8958E-02 2.7246E-01 4.492E-04 4.3866E-00 2.2904E-00 1.2122E-02 -3.2865E-02 2.7107E-01 2.9109E-01	2ETA= 5.000  1=4  5.01clle-02 2.7883E-01 4.4981E-04 4.4981E-00 2.7848E-00 -1.2604E-02 2.2882E-02 2.2882E-02 2.2882E-02 2.2882E-02 2.2882E-02 2.2882E-02 2.2882E-02 2.2882E-02 2.2882E-02 2.288E-03 3.2890E-01 3.743E-01 2.5997E-01 2.5997E-01 2.6998E-01	1×5  4.10.13E-02 2.2824E-01 2.2824E-01 2.7640E-64 3.6743E-00 2.3063E-00 2.3063E-00 2.3063E-00 2.3063E-00 2.3063E-00 2.3063E-00 2.3063E-00 2.3063E-01 2.3063E-01 2.4063E-01 2.4068E-01 2.4068E-01 2.4068E-01	1=6 2.2127E-02 1.2314E-01 1.2914E-01 1.9826E-00 2.3146E-00 2.3146E-00 2.3146E-00 3.3949E-02 3.3949E-01 3.1946E-02 3.3949E-01 3.1346E-01 2.4214E-01 3.1346E-02 4.2745E-00 4.275E-01 6.9015E-01 2.906E-02 2.906E-02 2.906E-02 2.906E-02 2.9171E-02 2.9171E-02	1-7 1.6600E-02 9.2381E-02 1.5235E-04 1.491E-00 2.125E-00 2.125E-00 2.2816E-01 2.8145E-01	1=8  1.5602E-02 2.66830E-C2 1.3980E-00 1.3980E-00 1.3980E-00 2.439E-02 1.1916-01 1.1916-01 2.5440E-01 2.5440E-01 1.1056-01 1.1056-01 1.1056-01 1.2054E-02 2.5700E-01 2.320E-02 2.5700E-01 1.2054E-02 2.5700E-01 1.2054E-02 2.5700E-01 1.3012E-03 2.4710E-01 2.322E-00 2.9710E-01 2.322E-00 2.9710E-01 2.322E-00 2.9710E-01 2.332E-03 2	1.5657E-02 8.7134E-02 1.4369E-04 1.4369E-04 1.2729E+00 2.3496E+00 -1.3499E-02 2.4002E-01 1.8407E-01 2.4602E-01 1.8407E-01 2.4602E-01 2.4602E-01 2.336T-13 2.4602E-01 7.392E-10 7.392E-10 7.392E-10 6.3006E-01 5.2383E-03 1.3740E-02 5.7543E-00	1=10
P/ROASTSQ 2.6054E-01 P/P/ROASTSQ 2.6054E-01 P/P/TINF 4.295E-04 P/P/TINF 4.1947E-00 U 2.3024E-00 U 2.3024E-00 V -1.1546E-02 M 0. UC 2.2901E-00 VC 2.3721E-01 UC 4.0669E-16 VCC 2.3721E-01 VCC 2.3721E-01 VCC 2.3721E-01 VCC 2.3721E-01 VCC 7.3721E-01 V	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E-00 2.3015E-00 2.3015E-00 2.3015E-00 2.4076E-02 2.2876E-02 2.2876E-02 2.2876E-02 2.2876E-02 2.5038E-01 2.2876E-02 2.5038E-01 2.2952E-01 2.2952E-01 2.2976E-00 6.4277E-61 1.5241E-01 1.5241E-01 2.7125E-03 -1.1527E-02 -1.1527E-03	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.294E+00 0.1.2125E-02 -3.2865E-02 2.7107E-01 2.9189E-01 2.196E-02 2.1568E-01 2.3906E+00 6.503E+01 6.2396E-02 2.1568E-01 5.5011E-01 5.5011E-01 5.5011E-01 5.501E-01 5.501E-01 5.501E-01 5.501E-01 5.501E-01 5.501E-02 5.501E-01 5.501E-02 5.501E-01 6.093E-02 6.09	1=4  5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4981E+00 2.7244E+00 2.7246E+00 3.2890E-C1 1.7415E-01 3.7126E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.7772E-00 6.7772E-00 6.7772E-02 6.8516E-02 7.8172E-01 7.8172E-01	4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E-00 0.3020E-00 0.1.3372E-02 1.4159E-01 2.2682E-01 0.1.4159E-01 2.7138E-01 1.4159E-01 2.7138E-01 1.4159E-01 2.4082E-01 1.4159E-01 2.4082E-01 0.7182E-01 1.4159E-01 1.4159E-01 2.782E-01 2.782E-01 0.782E-01	1=6  2.2127E-02 1.2314E-01 1.9326F-00 2.3164E-00 2.3164E-00 3.3849E-01 2.3044E-0 2.3646E-01 2.3044E-01 2.3044E-01 2.4214E-01 1.7224E-01 1.7224E-01 1.7224E-01 1.7324E-01 2.3044E-00 3.235E-01 2.4214E-01 2.4215E-01 2.4214E-01 2.4215E-01 2.4214E-01 2.4215E-01	1-7  1.6600E-02 9.2381E-02 1.5235E-04 1.4873E-00 1.2565E-00 2.3318E-00 2.3318E-00 2.3143E-01 2.3245E-00 2.4147E-01 1.9940E-01 4.5829E-02 2.8954E-01 2.3245E-00 6.2901E-01 1.2956E-02 6.2609E-01 3.8664E-02 6.2609E-01 4.1498E-03 -1.5631E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7425E-01	1=8  1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00 1.2216E+00 2.3435E+00 1.217E-02 1.177E-01 1.11C5E-01 1.11C5E-01 1.217E-02 2.3724E+00 2.3712E-01 2.3724E+00 2.3712E-01 4.6812E-03 3.6712E-01 4.6812E-03 4.7512E-01	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 2.3496E+00 2.4602E-01 1.8497E-12 2.4602E-01 2.4602E-01 2.3367E+00 2.3367E-10 2.3367E-10 2.3367E-10 2.3367E-00 3.536E-13 -2.8708E-11 -2.8708E-11 -2.8708E-11 -2.8708E-11 -2.8708E-11 -2.8708E-11 -3.536E-13 -3.536	I=10
P/ROASTSQ 2.6054E-01 P/P/ROASTSQ 2.6054E-01 P/P/TINF 4.295E-04 P/P/TINF 4.1947E-00 U 2.3024E-00 U 2.3024E-00 V -1.1546E-02 M 0. UC 2.2901E-00 VC 2.3721E-01 UC 4.0669E-16 VCC 2.3721E-01 VCC 2.3721E-01 VCC 2.3721E-01 VCC 2.3721E-01 VCC 7.3721E-01 V	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E-00 2.3015E-00 2.3015E-00 2.3015E-00 2.4076E-02 2.2876E-02 2.2876E-02 2.2876E-02 2.2876E-02 2.5038E-01 2.2876E-02 2.5038E-01 2.2952E-01 2.2952E-01 2.2976E-00 6.4277E-61 1.5241E-01 1.5241E-01 2.7125E-03 -1.1527E-02 -1.1527E-03	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.294E+00 0.1.2125E-02 -3.2865E-02 2.7107E-01 2.9189E-01 2.196E-02 2.1568E-01 2.3906E+00 6.503E+01 6.2396E-02 2.1568E-01 5.5011E-01 5.5011E-01 5.5011E-01 5.501E-01 5.501E-01 5.501E-01 5.501E-01 5.501E-01 5.501E-02 5.501E-01 5.501E-02 5.501E-01 6.093E-02 6.09	1=4  5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4981E+00 2.7244E+00 2.7246E+00 3.2890E-C1 1.7415E-01 3.7126E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.6928E-01 5.7772E-00 6.7772E-00 6.7772E-02 6.8516E-02 7.8172E-01 7.8172E-01	4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E-00 0.3020E-00 0.1.3372E-02 1.4159E-01 2.2682E-01 0.1.4159E-01 2.7138E-01 1.4159E-01 2.7138E-01 1.4159E-01 2.4082E-01 1.4159E-01 2.4082E-01 0.7182E-01 1.4159E-01 1.4159E-01 2.782E-01 2.782E-01 0.782E-01	1=6  2.2127E-02 1.2314E-01 1.9326F-00 2.3164E-00 2.3164E-00 3.3849E-01 2.3044E-0 2.3646E-01 2.3044E-01 2.3044E-01 2.4214E-01 1.7224E-01 1.7224E-01 1.7224E-01 1.7324E-01 2.3044E-00 3.235E-01 2.4214E-01 2.4215E-01 2.4214E-01 2.4215E-01 2.4214E-01 2.4215E-01	1-7  1.6600E-02 9.2381E-02 1.5235E-04 1.4873E-00 1.2565E-00 2.3318E-00 2.3318E-00 2.3143E-01 2.3245E-00 2.4147E-01 1.9940E-01 4.5829E-02 2.8954E-01 2.3245E-00 6.2901E-01 1.2956E-02 6.2609E-01 3.8664E-02 6.2609E-01 4.1498E-03 -1.5631E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7310E-02 6.7425E-01	1=8  1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00 1.2216E+00 2.3435E+00 1.217E-02 1.177E-01 1.11C5E-01 1.11C5E-01 1.217E-02 2.3724E+00 2.3712E-01 2.3724E+00 2.3712E-01 4.6812E-03 3.6712E-01 4.6812E-03 4.7512E-01	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 2.3496E+00 2.4602E-01 1.8497E-12 2.4602E-01 2.4602E-01 2.3367E+00 2.3367E-10 2.3367E-10 2.3367E-10 2.3367E-00 3.536E-13 -2.8708E-11 -2.8708E-11 -2.8708E-11 -2.8708E-11 -2.8708E-11 -2.8708E-11 -3.536E-13 -3.536	1=10
P/ROASTSQ 2.6054E-01 P/P/ROASTSQ 2.6054E-01 P/P/TINF 4.295E-04 P/P/TINF 4.1947E-00 U 2.3024E+00 U 2.3024E+00 U 2.3024E+00 U 2.3721E-01 UC 2.2701E+00 UC 2.3721E-01 UC 3.4069E-18 UC 3.4069E-18 UC 2.3721E-01 UC 3.4069E-18 UC 3.40	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E-00 2.3015E-00 2.3015E-00 2.3015E-00 2.4576F-02 2.2677E-02 2.2677E-02 2.2679E-01 2.2687E-01	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.2946E+00 2.12125E-02 -3.2865E-02 2.1807E-01 2.9189E-01 2.1808E-02 2.1588E-01 2.3906E+00 6.503E+01 6.2396E-02 6.503E+01 5.5011E-01 5.5011E-01 5.501E-01 5.501E-02 5.501E-03 6.0976E-02 6.0976E-03	2ETA= 5.000  1=4  5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4981E+00 2.7244E+00 2.724E+00 3.2806E-C1 3.7126E-01 3.7126E-01 3.7126E-01 3.7126E-01 3.7126E-01 3.7126E-01 3.7682E-C1 5.6928E-01	4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E-00 2.3020E-00 3.7138E-01 2.4082E-01 2.4159E-01 2.4082E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4159E-01 3.4138E-01 3.4148E-02 3.4148E-02 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01	1=6  2.2127E-02 1.2314E-01 1.9326E+00 2.3164E+00 2.3164E+00 3.3849E-01 1.1552E-01 2.4214E-01 1.724E-01 1.724E-01 1.724E-01 1.7324E-01 2.7946E-02 2.9825E-03 1.6267E-02 2.9825E-03 1.6267E-02 2.9825E-03 1.6267E-02 2.9825E-03 1.6267E-02 2.9825E-03	1=7  1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00 2.3318E+00 2.3318E+00 2.3143E-01 2.3245E+00 2.3143E-01 1.9940E-01 4.5829E-02 2.8954E-01 2.3245E+00 6.2901E+01 6.2822E-01 3.8664E-02 6.2609E-01 6.2619E-03	1=8  1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00 1.2216E+00 2.3435E+00 1.2175E-02 1.1775E-01 1.11C5E-01 1.11C5E-01 1.2172E-02 2.3224E+00 2.3324E+00 2.3324	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 -1.3499E-02 0. 2.4002E-01 2.4002E-01 2.4002E-01 2.4002E-01 2.3367E+00 2.4002E-01 2.3367E+00 1.5602E-01 2.3367E+00 1.5602E-01 2.3367E+00 1.5602E-01 2.3367E-02 7.1038E-11 -7.1038E-11 -7.1038E-11 -7.1038E-11 -7.1038E-11 -7.1038E-14 0.3006E-01 0.	1=10
P/ROASTSQ 2.6054E-01 P/P/ROASTSQ 2.6054E-01 P/P/TINF 4.295E-04 P/P/TINF 4.1947E-00 U 2.3024E+00 U 2.3024E+00 U 2.3024E+00 U 2.3721E-01 UC 2.2701E+00 UC 2.3721E-01 UC 3.4069E-18 UC 3.4069E-18 UC 2.3721E-01 UC 3.4069E-18 UC 3.40	1=2 4.73C7E-02 2.6327E-C1 4.3417E-C4 4.2387E-00 2.3015E-00 2.3015E-00 2.3015E-00 2.4576F-02 2.2677E-02 2.2677E-02 2.2679E-01 2.2687E-01	1=3 4.8958E-02 2.7246E-01 4.4932E-04 4.3866E+00 2.2946E+00 2.12125E-02 -3.2865E-02 2.1807E-01 2.9189E-01 2.1808E-02 2.1588E-01 2.3906E+00 6.503E+01 6.2396E-02 6.503E+01 5.5011E-01 5.5011E-01 5.501E-01 5.501E-02 5.501E-03 6.0976E-02 6.0976E-03	2ETA= 5.000  1=4  5.01C1E-02 2.7883E-C1 4.5981E-C4 4.4981E+00 2.7244E+00 2.724E+00 3.2805E-C1 3.7126E-01 3.7126E-01 3.7126E-01 3.7126E-01 3.7126E-01 3.7126E-01 3.7602E-C1 5.6928E-01	4.1013E-02 2.2824E-01 2.7640E-04 3.6747E-00 2.3020E-00 2.3020E-00 3.7138E-01 2.4082E-01 2.4159E-01 2.4082E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4139E-01 3.4159E-01 3.4138E-01 3.4148E-02 3.4148E-02 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01 3.4148E-01	1=6  2.2127E-02 1.2314E-01 1.9326E+00 2.3164E+00 2.3164E+00 3.3849E-01 1.1552E-01 2.4214E-01 1.724E-01 1.724E-01 1.724E-01 1.7324E-01 2.7946E-02 2.9825E-03 1.6267E-02 2.9825E-03 1.6267E-02 2.9825E-03 1.6267E-02 2.9825E-03 1.6267E-02 2.9825E-03	1=7  1.6600E-02 9.2381E-02 1.5235E-04 1.4873E+00 1.2565E+00 2.3318E+00 2.3318E+00 2.3143E-01 2.3245E+00 2.3143E-01 1.9940E-01 4.5829E-02 2.8954E-01 2.3245E+00 6.2901E+01 6.2822E-01 3.8664E-02 6.2609E-01 6.2619E-03	1=8  1.56C2E-02 8.6830E-C2 1.4319E-04 1.398CE+00 1.2216E+00 2.3435E+00 1.2175E-02 1.1775E-01 1.11C5E-01 1.11C5E-01 1.2172E-02 2.3224E+00 2.3324E+00 2.3324	1.5657E-02 8.7134E-02 1.4369E-04 1.4029E+00 1.2729E+00 2.3496E+00 -1.3499E-02 0. 2.4002E-01 2.4002E-01 2.4002E-01 2.4002E-01 2.3367E+00 2.4002E-01 2.3367E+00 1.5602E-01 2.3367E+00 1.5602E-01 2.3367E+00 1.5602E-01 2.3367E-02 7.1038E-11 -7.1038E-11 -7.1038E-11 -7.1038E-11 -7.1038E-11 -7.1038E-14 0.3006E-01 0.	1=10
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P/ROASTSQ 2.6059E-01 P/PTINE 4.2975E-04	2.6332E-01 4.3425E-G4	2.7253E-01 4.4942E-04	2.7891E-01 4.5995E-04	2.2759E-01 3.7532E-04	1.2166E-01 2.0064E-04	9-1706E-02 1-5123E-04	8.6679E-02 1.4254E-04	8.7140E-02 1.4370E-04	
P/PINF 4.1956 E+00	4.2355E+00 2.6232E+00	4.3877E+00	4.49(4E+00	3.664ZE+00	1.9588E+00	1.4765E+00	1.3955E+00	1.4030E+00	
RHO 2.6096E+00 U 2.3024E+00	2.6232E+00 2.3015E+00	2.6786E+00 2.2954E+00	2.7248E+00 2.2987E+C0	2.3612E+00 2.3018E+00	1.5157E+00 2.3160E+00	1.2432E+00 2.3313E+00	1.2017E+00 2.3417E+00	1.273)E+00 2.3496E+00	
V -5.77876-03	-5.6614E-03	-6.1035E-03	-6.3414E-03	-6.7678E-03	-5.6223E-03	-5.6463E-03	-6.0229E-03	-6.8145E-03	
W 0. UC 2.2899E+00	-2.4517E-02 2.2876E+00	-3.2950E-02 2.2805E+00	2.5553E-02 2.2677E+CC	1.4210E-01 2.2675E+00	2.7173E-01 2.3039E+G0	2.3060E-01 2.3241E+00	1.1569E-01 2.3305E+00	0. 2.3367E+00	
VC 2.3972E-01	2.4756E-01	2.7424E-01	3.3275E-01	3.9543E-01	3.3996E-01	2.82C3E-C1	2.5456E-01	2.4655E-Cl	
WC 4.1114E-16 VCC 2.3572E-01	2.5278E-02	1.1078E-01 2.9457E-01	1.7685E-01 3.7553E-01	1.4210E-01 3.5543E-01	1.1864E-01 2.6241E-01	8.4488E-02 2.1294E-01	3.4385E-02 2.3273E-01	1.8407E-11 2.4655E-01	
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VX 0. VY -2.3972E-01	1.0264E-01 -2.3196E-01	-2.00e1E-01	-9.3571E-C2	1.4210E-01	3.1675E-01	2.9113E-01	2.5636E-01	-2.8730E-11 2.4655E-01	
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THETNOR 8.4024 E+ 01	8.4216E+01	8.49908+01	8.7667E+01	e.6467E+01	8.2193E+Ol	8.2861E+01	e.3723E+01	8.3977E+01	
XBAR 0.	3.1707E-01 1.3390E-01	6.2091E-01 5.3252E-01	8.8166E-01 5.5216E-01	1.0062E+00 3.1716E-01	8.8368E-01 9.9328E-02	6.2303E-01 2.4081E-02		-7.0441E-11 -7.0441E-11	
VOAD -4 00005-01	-5 7469E-01	_4 7817E-01	-2.92C2E-01	-1.8617E-11	2.9382E-01	4.8257E-01	5.83238-01	6.1502E-01	
YBHLD -6.0809E-01	-5.9496E-01 1.3562E-03	-5.0691E-01 1.2283E-03	-5.0053E-C1 1.0248E-03	5.8335E-01 1.0603E-03	6.0510E-01 1.4912E-03	6.1262E-01 2.0749E-03	6.1473E-01 2.4656E-03	6.1502E-01 2.6191E-03	•
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PT/PTINF 7.9624E-01	7.9003E-01 8.6082E+01	7.7999E-01 8.4588E+01	7.8150E-C1 8.5153E+C1	7.87C8E-01 8.5760E+01	7.9841E-01 8.6995E+01	8.0887E-01 8.8135E+01	8.2658E-01 5.0108E+01	9.9825E-01 1.0877E+02	
RERNOUL 1.9357F-10	-1-2555F-05	-8.8189E-05	-1.7897E-04	1.16e1E-03	7.0520E-05	-7-1481E-C4	-2.3834E-C4	7.4794E-09	
DPDZ -2.7458E-04 DUDZ -3.2615E-04	-2.2062E-04	-2.6546E-04 -3.3427E-04	-3.5600E-C4	5.0558E-03 1.2184E-02	1.0907E-02 2.5515E-02	4.9660E-03 8.2657E-03	1.0462E-03	-4.3078E-05 -7.1392E-04	
DVD2 -2.3128E-01	-2.2675E-01	-2.4236E-01	-2.5203E-01	-2.6681E-01	-1.9998E-01	-2.1761E-01	-2-4469E-01	-2.7380E-C1	
0W02 -3.1259E-15 05802 -2.0423E-29	-9.5660E-03	1.1360E-03	-1.2752E-01 -6.11C9E-03	-2.2496E-02 -6.4972E-02	-1.1079E-01	-1.6736E-01 -6.3530E-02	2.39C1E-01 -1.6899E+00	-8.4842E-11 -1.0874E-23	
PP -1.5455E-15	2.1491E-02	4.2434E-02	-5.8620E-C2	-2.8985E-C1	-2.4079E-01	-3.7517E-02	-4.1355E-04	-2.5352E-15	
VP 3.2848E-16 WP -4.9019E-01	-2.8817E-03	-3.3007E-02 -6.5937E-03	-8.0265E-03	1.5995E-01 7.9314E-03	1.2959E-02	2.3663E-01 -4.7255E-03	-1.3396E-02	1.6448E-15	
WP -4.9019E-01 SBARP -1.2741E-15	-3.9622E-01 9.2313E-02	3.8778E-01	1.6535E+00 -3.7024E-C2	2.5546E+C0	9.25276-01	-1.6566E+00	-2.1825E+00	-2.0814E+00	
3046 -102/416-13	1423136-02	46 30416-02	- 34 10246-02	-0.01435-02	- 78 07 73 2 - 04	-2800135-02	-1801002-02	36 12 6 16 - 2 1	
			ZETA= 1.250						2.2
!=1	I=2	1=3	1=4	1 = 5	I =6	1=7	I = 8	I=9	1=10
l=1 P 4.6828E-02	4.7318E-02	4.8972E-02	1=4 5-0119E-02	[=5 4.0829E-02	2.1723E-02	1.6415E-02	1.5563E-02	1.56598-02	1=10
P/ROASTSQ 2-6061E-01	4.7318E-02 2.6333E-01 4.3427E-04	4.8972E-02 2.7254E-01 4.4944E-04	1=4 5.0119E-02 2.7893E-01 4.5958E-04	I =5 4.0829E-02 2.2722E-01 3.7472E-04	2.1723E-02 1.2090E-01 1.9937E-04	1.6415E-02 9.1354E-02 1.5065E-04	1.5563E-02 6.6605E-02 1.4283E-04	1.5659E-02 8.7143E-02 1.4371E-04	1=10
1=1  P 4.6626E-02  P/ROASTSQ 2.6061E-01  P/PTINF 4.2977E-04  P/PINF 4.1958E+00	4.7318E-02 2.6333E-01 4.3427E-04 4.2357E+00	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00	1=4 5-0119E-02 2-7893E-01 4-5998E-04 4-4907E-00	I=5 4.0829E-02 2.2722E-01 3.7472E-C4 2.6583E+00	2.1723E-02 1.2090E-01 1.9937E-04 1.9464E+00	1.6415E-02 9.1354E-02 1.5065E-04 1.47C8E+00	1.5563E-02 E.66C5E-02 1.4283E-04 1.3944E+00	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00	1=10
1=1   P	4.7318E-02 2.6333E-01 4.3427E-04 4.2357E+00 2.6226E+00 2.3C15E+00	4.897ZE-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6783E+00 2.2994E+00	1*4 5.0119E-02 2.7893E-01 4.5998E-04 4.4997E-00 2.7247E+00 2.2587E+00	I = 5 4.0829E-02 2.2722E-01 3.7472E-04 2.6583E+00 2.3572E+00 2.3016E+00	2.1723E-02 1.2090E-01 1.9937E-04 1.9464E+00 1.5039E+00 2.3154E+00	1.6415E-02 9.1354E-02 1.5065E-04 1.47C8E+00 1.2445E+00 2.3315E+00	1.5563E-02 6.66C5E-02 1.4283E-04 1.3944E+00 1.1764E+00 2.3357E+00	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00 1.273JE+00 2.3496E+00	1=10
P 4-628E-02 P/R0ASTSQ 2-6061E-01 P/PY1NF 4-2977E-04 P/PYNF 4-1958E-00 U 2-697E-00 U 2-36724E-00 V -2-8837E-03	4.7318E-Q2 2.6333E-Q1 4.3427E-Q4 4.2357E+QQ 2.6226E+QQ 2.3C15E+QQ -2.8305E-Q3	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6783E+00 2.2994E+00 -3.0634E-C3	1=4  5.0119E-02 2.7893E-01 4.5998E-04 4.4997E-00 2.7247E+00 2.2987E+00 -3.1810E-03	[ = 5 4.0829E-02 2.2722E-01 3.7472E-C4 2.6583E+00 2.3572E+C0 2.3016E+00 -3.41E1E-C3	2.1723E-02 1.2090E-01 1.9937E-04 1.9464E+00 1.5039E+00 2.3154E+00 -3.1096E-03	1.6415E-02 9.1354E-02 1.5065E-04 1.47C8E+00 1.2445E+00 2.3315E+00 -2.9422E-03	1.5563E-02 6.66C5E-02 1.4283E-04 1.3944E+00 1.1764E+00 2.3357E+00 -2.9842E-03	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00 1.273JE+00 2.3496E+00 -3.3301E-03	1=10
P/ROASTSQ 2.0051E-01 P/PTINF 4.277E-04 P/PTINF 4.1958E-00 U 2.0097E-00 U 2.3022E-00 V -2.0037E-00	4.7318E-02 2.6333E-01 4.3427E-04 4.2357E+00 2.6226E+00 2.3C15E+00 -2.8305E-03 -2.4430E-02 2.2874E+00	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6783E+00 2.2994E+00 -3.0634E-C3 -3.2926E-02 2.2863E+00	1=4 5.0119E-02 2.7853E-01 4.5958E-04 4.4967E+00 2.7247E+00 2.2567E+00 -3.1810E-03 2.7381E-02 2.2614E+00	1=5 4.0829E-02 2.2722E-01 3.7472E-C4 3.6583E+00 2.3572E+00 -3.4181E-03 1.4247E-01 2.2670E+00	2.1723E-02 1.2090E-01 1.9937E-04 1.9464E+00 1.5039E+00 2.3154E+00 -3.1096E-03 2.7274E-01 2.3033E+00	1.6415E-02 9.1354E-02 1.5065E-04 1.47C8E+00 1.2445E+0C 2.3315E+0C -2.9422E-03 2.3381E-C1 2.3245E+00	1.5563E-02 6.66C5E-02 1.4283E-04 1.3944E+00 1.1764E+00 2.3357E-00 -2.9842E-03 1.1181E-01 2.3284E+C0	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00 1.273JE+00 2.3496E+00 -3.3301E-03 0. 2.3366E+00	1=10
1-1	4.7318E-02 2.6333E-01 4.3427E-04 4.2357E+00 2.6226E+00 -2.8305E-03 -2.4430E-02 2.2874E+00 2.4882E-01 5.5423E-02	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E-00 2.6783E+00 2.2994E+00 -3.0634E-03 3.2926E-02 2.28C3E+00 2.7586E-01 1.1081E-01	1-4 5-0119E-02 2-7853E-01 4-5958E-04 4-4967E+00 2-7247E+00 2-2587E+00 -3-1810E-03 2-7381E-02 2-2614E+00 3-3470E-01 1-7868E-01	I=5 4.0829E-02 2.2722E-01 2.7472E-C4 2.6583E+00 2.3512E+00 -3.41E1E-C3 1.4247E-01 2.2670E+00 3.5750E-01	2.1723E-02 1.2090E-01 1.993TE-04 1.993TE-04 1.5039E+00 2.3154E+00 -3.1096E-03 2.7274E-01 2.3033E+00 3.4066E-01 1.1969E-01	1.6415E-02 9.1354E-02 1.5065E-04 1.4768E+00 1.2445E+00 2.3315E+00 -2.9422E-03 2.3381E-01 2.3245E+00 2.8237E-01 8.7613E-02	1.5563E-02 6.6669E-02 1.4283E-04 1.3744E+00 1.1764E+00 2.3357E+00 -2.9842E-03 1.1181E-01 2.3284E+02 2.5447E-01 3.0580E-02	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00 1.273JE+00 2.3496E+00 -3.3301E-03 0. 2.3366E+00 2.4695E-01 1.6407E-11	1=10
P	4.7318E-02 2.6333E-01 4.3427E-04 4.2357E+00 2.6226E+00 2.3G15E+00 -2.8305E-03 -2.4430E-02 2.2874E+00 2.4882E-01 5.5423E-02 2.5393E-01	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6783E+00 2.2994E+00 -3.0634E-C3 -3.2926E-02 2.2863E+00 2.7586E-01 1.1081E-01 2.9597E-01	1-4 5.0119E-02 2.7853E-01 4.5958E-04 4.4957E+00 2.7247E+00 2.7247E+00 2.7381E-02 2.7381E-02 2.2614E+00 3.3470E-01 1.7848E-01 2.7849E-01	1=5 4.0829E-02 2.2722E-01 3.7472E-C4 2.6583E+00 2.3572E+00 2.3572E+00 2.41E1E-03 1.4247E-01 2.2670E+00 1.4247E-01 1.5750E-01	2.1723E-02 1.2090E-01 1.9937E-04 1.9464E+00 1.5039E+00 -3.1096E-03 2.7274E-01 2.3033E+00 3.4066E-01 1.1969E-01	1.6415E-02 9.1354E-02 1.5065E-04 1.476BE+00 1.2445E+00 2.3315E+00 -2.9422E-03 2.3381E-01 2.3245E+00 2.8237E-01 8.7673E-02 2.1109E-01	1.5543E-02 6.66C5E-02 1.4283E-04 1.3944E+00 2.3347E+00 -2.9842E-03 1.1181E-01 2.3284E+G0 2.5447E-01 3.0580E-02 2.3345E-01	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00 1.273JE+00 2.3496E+00 0.33301E-03 0. 2.3366E+00 2.4695E-01 1.24695E-01	1=10
1-1	4.7318E-G2 2.6333E-G1 4.3427E-O4 4.2357E+00 2.6226E+00 -2.8305E-03 -2.4430E-O2 2.2874E+00 2.4882E-O1 5.5423E-O2 2.5393E-O1 -2.2448E-O2	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6783E+00 -3.0634E-03 -3.2926E-02 2.2863E+00 2.7586E-01 1.961E-01 -2.7928E-02 2.17E7E-01	1=4 5.0119E-02 2.7843E-01 4.5948E-04 4.5947E-00 2.7247E-00 2.7247E-00 2.3181E-02 2.614E-02 1.7848E-01 1.7848E-01 2.6330E-02 2.6330E-02 2.6330E-02 2.6370E-01	1-5 4.0829E-02 2.2722E-01 3.7472E-C4 2.6593E-02 2.3572E+C0 2.3516E-00 3.472E-01 2.2670E-01 3.4750E-01 1.4247E-01 1.4247E-01 1.4247E-01	2.1723E-02 1.2090E-01 1.9937E-04 1.9946+00 1.5039E+00 2.3154E+00 -3.1096E-03 2.7274E-01 2.3033E+00 3.4066E-01 1.1969E-01 2.6217E-01 2.4628E-01 1.7103E-01	1.6415E-02 9.1354E-02 1.5065E-04 1.47C8E+00 1.2445E+00 2.3315E+00 2.3328E-01 2.3245E+00 2.8237E-01 8.7613E-02 2.1109E-01 2.07C3E-01 4.1111E-02	1.5543E-02 E.66CFE-02 1.42E3E-04 1.3944E+00 2.3357E+00 2.3357E+00 2.3842E-03 1.11E1E-01 2.32B4E+C0 2.5447E-01 3.0580E-02 2.3345E-01 1.057FE-01 1.9799E-02	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00 1.2730E+00 2.3496E+00 2.3496E-01 2.4695E-01 2.4695E-01 2.4695E-01 2.4555E-13 2.28747E-11	1=10 
P	4.7318E-G2 2.6333E-G1 4.3427E-O4 4.2357E+O0 2.3615E+O0 -2.8305E-O3 -2.4430E-O2 2.2874E+O0 5.5423E-O2 2.5393E-O1 1-2.2448E-O2 1.6303E-O1 -2.3317E-O1	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.2994E+00 -3.0634E-C3 3.2926E-02 2.2863E+00 2.7586E-01 1.1081E-01 2.9597E-01 2.1728E-02 2.1767E-01	1-4 5-0119E-02 2-7893E-01 4-5958E-04 4-5958E-04 4-595E-00 2-7247E-00 2-1247E-00 3-1810E-02 2-614E-00 3-749E-01 1-7848E-01 3-749E-01 2-6330E-02 3-64770E-01	1-5 4. G829E-02 2. 2722E-01 3. 7412E-04 2. 6523E-00 2. 3512E+00 2. 3016E+00 -2. 4181E-01 2. 2670E-00 3. 5750E-01 1. 4247E-01 3. 5750E-01 1. 4247E-01 3. 5750E-01 1. 4247E-01	2.1723E-02 1.2090E-01 1.9937E-04 1.9464E+00 1.5039E+00 -3.1096E-03 2.7274E-01 2.3033E+00 1.1969E-01 2.6217E-01 2.4828E-01 1.7103E-01 3.1800E-01	1.6415E-02 9.1354E-02 1.5065E-04 1.476E+00 1.2445E+00 2.3315E+00 -2.9422E-03 2.3381E-01 2.3245E+00 2.8237E-01 8.7613E-02 2.1109E-01 4.1111E-02 2.5279E-01	1.5543E-02 6.66C5E-02 1.4263E-04 1.3944E-00 2.3375E-00 2.3375E-00 2.3264E-02 2.3264E-02 2.3264E-01 2.3264E-01 1.0575E-01 1.0575E-01 1.9795E-02 2.5554E-01	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E+00 1.2730E+00 2.3496E+00 -3.3301E-03 0. 2.366E+00 2.4695E-01 1.8407E-11 2.4595E-13 -2.8747E-11 2.4655E-01	 1=10
P	4.7318E-02 2.633E-01 4.3427E-04 4.2357E-00 2.6228E-00 2.3015E-00 -2.8305E-03 -2.4430E-02 2.2014E-00 5.5423E-02 1.0303E-01 -2.2448E-02 1.0303E-01 -2.23317E-01 2.2317E-01 2.2317E-01	4.8972E-02 2.7254E-01 4.494E-04 4.3879E-00 2.6783E-00 3.034E-03 3.2926E-03 2.2566E-01 1.1061E-01 2.9597E-01 2.7526E-02 2.177EE-02 2.177EE-02 2.177EE-02 2.257E-03	1=4  5.0119E-02 2.7893E-01 4.5998E-04 4.4997E-00 2.7247E-00 2.7247E-00 2.7381E-02 2.6314E-02 3.410E-01 1.7868E-01 2.6430E-02 3.6770E-01 2.6370E-02 2.6771E-02 2.2074E+00	1-5 4.0829E-02 2.2722E-01 3.7472E-04 2.6523E-00 2.3572E+00 2.3016E+00 -2.4181E-01 2.2670E-00 3.5750E-01 1.4247E-01 3.5750E-01 1.4247E-01 2.4750E-01 1.4247E-01 2.4750E-01	2.1728E-02 1.2090E-01 1.993E-0 1.993E-0 1.946E-00 2.3154E-00 -3.1096E-03 2.7274E-01 2.303E-00 1.1949E-01 2.4628E-01 1.7103E-01 2.303E-00 2.303E-00 2.303E-00	1.6415E-02 9.1354E-02 1.5065E-04 1.4765E00 1.2445E-00 2.3315E-00 -2.9422E-03 2.3381E-01 2.3381E-01 2.6237E-01 8.7613E-02 2.10763E-01 4.1111E-02 2.5279E-01 2.3245E+00	1.5563E-02 £.66CSE-02 1.4283E-04 1.3944E-00 1.1744E-00 2.3367E-00 2.3264E-03 3.1161E-01 2.3264E-03 3.556E-02 2.3345E-01 1.0575E-01 1.0779E-02 2.3524E-01 2.3284E-00 2.3284E-00 2.3284E-00 4.215E-01	1.5596-02 8.7143E-02 1.4371E-04 1.4030E-00 1.2733E-00 0.2396E+00 0.23366E+00 0.23366E+01 1.8407E-11 2.4595E-01 1.8407E-12 2.4595E-13 -2.8747E-11 2.4595E-02 2.4356E-02	I=10
I=1	4.7318E-02 2.6333E-01 4.342TE-04 4.235TE+00 2.6226E+00 2.8305E-03 -2.4430E-02 2.4814E+00 2.4882E-01 5.5423E-02 2.5393E-01 -2.24480E-02 1.0303E-01 -2.331TE-01 -2.2348E+00	4,8972E-02 2,7254E-01 4,4945E-04 4,3879E+00 2,6783E+00 -3,0634E-C3 -3,2926E-02 2,2863E+00 2,7586E-01 1,1081E-01 2,9797E-01 -2,7928E-02 2,1767E-01 -2,2027E-01 2,2835E+00	1=4 5.0119E-02 2.7849E-01 4.5956E-04 4.4967E-00 2.7247E-00 2.7247E-00 3.1810E-03 2.7381E-02 2.2014E-00 3.3470E-01 1.7648E-01 2.6330E-02 2.6330E-02 2.6370E-01	1-5 4.0829E-02 2.2722E-01 2.7472E-04 2.6583E-00 2.3572E-00 2.3016E-00 -3.4181E-03 3.4576E-01 1.4247E-01 1.4247E-01 1.4247E-01 1.4247E-01 1.4247E-01 1.4247E-01	2.1728E-02 1.2090E-01 1.9937E-04 1.9464E-00 1.5039E-00 2.3154E-00 -3.1096E-03 2.7274E-01 1.1949E-01 2.6217E-01 2.6217E-01 2.6217E-01 3.1800E-01 3.1800E-01 3.1800E-01 3.1800E-01	1.6415E-02 9.1354E-02 1.5005E-04 1.4708E+00 1.2445E+00 2.3315E+00 -2.9422E-03 2.3381E-01 2.3245E+00 2.8237E-01 2.109E-01 2.0703E-02 2.1109E-01 2.0703E-01 2.0703E-01 2.2709E-01	1.5563E-02 6.6605E-02 1.4263E-04 1.3744E-00 2.3757E-00 2.3757E-00 2.3264E-03 2.3264E-02 2.3264E-02 2.3264E-02 2.3264E-02 2.3264E-02 2.3264E-02 2.3264E-02 2.3264E-02 2.3264E-03 2.3264E-03 2.3264E-03 2.373E-01 2.373FE-01	1.5659E-02 8.71.43F-02 1.4371E-04 1.4030E-00 1.273JE-00 2.3496E-00 2.3396E-00 2.3366E-00 2.4095E-01 2.4095E-01 2.4356E-12 2.4356E-13 2.8747E-11 2.455E-13 2.6747E-11 2.4595E-01	I≠10
1-1	4.7318E-02 2.6338E-01 4.3427E-04 4.2357E-00 2.6226E+00 2.3615E+00 2.2830E-03 -2.4430E-02 2.2814E-02 2.2814E-02 2.5393E-01 -2.2448E-02 1.6303E-01 -2.3317E-01 -2.2814E+00 2.5791E+00 8.41E5E+01 3.1630E-01 1.1921E-03	4.8972E-02 2.7254E-01 4.994E-04 4.3879E-00 2.6783E-00 2.093E-03 3.0926E-02 2.2863E-00 2.7586E-01 1.1081E-01 2.9597E-01 -2.7528E-02 2.17EE-01 2.2027E-01 2.2803E-00 5.4575E-00 6.4934E-01 6.1938E-01 6.1938E-01 6.1938E-01	1=4  5.0119E-02 2.7843E-01 4.5956E-04 4.495E-00 2.7247E-00 2.2967E-00 3.1810E-03 2.7381E-02 2.2014E-00 3.3470E-01 1.7849E-01 2.6330E-02 2.6374E-00 9.2114E-00 9.2114E-00 6.7646E-01 6.794E-01	1-5 4.0829E-02 2.2722E-01 2.7472E-04 2.6583E+00 2.3572E-00 2.3016E+00 -3.4181E-03 3.5750E-01 1.4247E-01	2.1723E-02 1.2090E-01 1.9937E-04 1.9937E-04 1.5039E-00 2.3154E+00 3.105E-03 2.7274E-01 2.3033E-00 1.405E-03 1.405E-01 1.7103E-01 3.1800E-01 2.3033E-00 4.2407E-00 8.2101E-01 8.805E-01	1. 6415E-02 9.1354E-02 1.5065E-04 1.4768E+00 1.2445E+00 2.3315E-00 2.3255E-00 2.6237E-01 8.7613E-02 2.1109E-01 2.0763E-01 2.109E-01 2.109E-01 2.3245E+00 1.012E+00 1.012E+00 6.2044E-01 1.7299E-02	1.5563E-02 6.6605E-02 1.4263E-04 1.3944E-00 1.1744E-00 2.3357E-00 -2.9842E-03 1.1161E-01 2.3264E-02 2.5447E-01 3.0560E-02 2.3345E-01 1.0575E-01 1.0575E-01 2.3246E-00 4.E715E-01 2.3246E-00 4.E715E-01 2.3246E-00	1.5559E-02 6.7143E-02 1.4371E-04 1.4010E+00 1.2733E+00 0.23396E+00 -3.3301E-03 0. 2.3366E+00 2.4395E-01 2.4695E-01 2.4595E-01 2.4595E-01 2.4595E-01 7.0491E-10 7.0491E-10	I=10
1-1	4.7318E-02 2.6338E-01 4.3427E-04 4.2367E-00 2.6226E+00 2.3625E+00 2.2836E-03 -2.4430E-02 2.2834E+00 2.2834E-02 2.2834E-02 2.3334E-01 -2.2486E-02 2.5393E-01 -2.3317E-01 -2.3317E-01 3.1630E-01 5.4125E+01 3.1630E-01 -5.7317E-01	4.8972E-02 2.7254E-01 4.994E-04 4.3879E-00 2.6783E-00 2.394E-03 3.0434E-03 3.0434E-03 2.2803E-00 1.1081E-01 1.29577E-01 -2.7586-02 2.1767E-01 -2.0227E-01 2.2803E-00 5.4575E-00 6.4934E-01 6.4934E-01 4.4747E-01 -4.747E-01	1=4  5.0119E-02 2.7843E-01 4.5948E-04 4.4947E-00 2.7247E-00 2.2987E-00 2.2987E-00 3.3470E-01 1.7848E-01 2.6330E-02 2.6376E-00 9.2114E-00 9.2114E-00 9.2114E-00 9.214E-00 9.214E-00 9.214E-00 9.214E-00 9.214E-00 9.205E-01 5.3642E-01	1-5 4.0829E-02 2.2722E-01 3.7472E-04 2.6583E+00 2.3572E+00 2.3572E+00 2.3676-00 1.4247E-01	2.1723E-02 1.2090E-01 1.9937E-04 1.9937E-04 1.5039E-00 2.3154E-00 2.3109E-03 3.1096E-03 2.7274E-01 2.3033E-00 1.1709E-01 1.7103E-01 3.1800E-01 2.3033E-00 4.2407E-90 8.2161E-01 8.8045E-01 7.1354E-01 7.1354E-01 7.1354E-01	1. 6415E-02 9.1354E-02 1.5065E-04 1.4768E+00 1.2445E+00 2.3315E-01 2.3245E+00 2.6237E-01 8.7613E-02 2.1109E-01 2.0763E-01 2.3245E+00 1.012E+00 1.012E+00 6.2044E-01 4.7717E-01 4.7717E-01 6.0581E-01	1.5563E-02 6.6605E-02 1.4263E-04 1.3944E-00 1.1744E-00 2.3357E-00 -2.9842E-03 1.1161E-01 2.3264E-02 2.5447E-01 3.0560E-02 2.3345E-01 1.0575E-01 1.0575E-01 2.3246E-00 4.E715E-01 2.3246E-00 4.E715E-01 2.1263E-03 3.737E-01 3.673E-03 3.737E-01 3.673E-03 3.742E-03	1.5559E-02 8.7143E-02 1.4371E-04 1.4371E-04 1.4301E+00 1.2733E+00 2.3396E+00 3.3301E-03 0. 2.3366E+00 2.4595E-01 2.4595E-01 2.4595E-01 2.4595E-01 2.4595E-01 2.4595E-01 2.4595E-01 2.4595E-01 2.4595E-01 2.4595E-01 6.0751E-01 6.0751E-01	[-10
P	4.7318E-02 2.6333E-01 4.3427E-04 4.2377E-00 2.6226E+00 2.3625E+00 2.4830E-03 2.4830E-03 2.4834E+00 2.4882E-01 2.5934E-01 2.2831E-01 2.2831E-01 2.2831E-01 2.331E-01 2.2831E-01 2.5791E+00 6.41E5E+01 1.1921E-01 5.7317E-01	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6793E+00 2.6793E+00 2.7586E-01 1.1081E-01 2.7586E-02 2.7586E-02 2.7586E-02 2.7586E-02 2.757E-01 2.803E+00 6.4954E+01 6.1938E-01 6.4954E+01 6.1938E-01	1=4  5.0119E-02 2.7893E-01 4.5998E-04 4.5998E-04 2.7247E-00 2.7247E-00 2.7381E-02 2.7381E-02 2.26714E-00 3.3470E-01 1.7864E-01 3.7849E-02 3.6770E-01 3.7849E-02 3.6770E-01 5.630E-02 2.6714E-00 6.7668E-01 5.3664E-01 5.3642E-01 5.3642E-01	1-5  4. 0829E-02 2-2722E-01 3-7472E-04 2-6582E+00 2-3016E+00 2-3016E+00 3-5750E-01	2.1723E-02 1.2909E-01 1.9937E-04 1.9937E-04 1.9937E-04 1.5039E-00 2.3154E+00 3.1096E-03 2.7274E-01 1.1969E-01 2.6217E-01 1.1969E-01 2.4628E-01 1.7103E-01 2.3033E+00 4.2467E+00 4.2467E+00 4.2467E+00 4.2467E-01 6.048E-01 7.1354E-01 6.048E-01	1. 64 15E-G2 9.1354E-G2 1. 5065E-G4 1. 5065E-G4 1. 4768E+G0 2. 3315E+G2 2. 3345E-G2 2. 3245E-G2 2. 3245E-G2 2. 109E-G1 2. 0763E-G2 4. 1111E-G2 2. 1276E-G1 2. 3245E-G0 6. 2822E-G1 1. 7294E-G2 4. 7717E-G1 6. 2648E-G1 1. 0375E-G3	1.5563E-02 6.660E-02 1.4263E-04 1.374E-00 2.3375E-00 2.3375E-00 2.3264E-03 2.3264E-02 2.3345E-01 1.0576E-01 1.0576E-01 1.0576E-01 2.3264E-00 2.3345E-01 2.3264E-00 2.3375E-01 2.3264E-00 2.3375E-01 2.3264E-00 2.737E-01 2.1636E-01 2.1636E-01 2.1636E-01 2.1636E-01 2.1636E-01 2.1636E-01 2.1636E-01	1.5659E-02 8.7143E-02 1.4371E-04 1.4030E:00 1.2733E:00 2.3366E:00 2.3366E:00 2.4356E:00 2.4356E:01 2.4355E-13 -2.8747E-11 2.455E-01 2.356E:00 -7.0491E-10 8.366E:00 -7.0121E-11 -7.0121E-11 -7.0121E-11 -7.0121E-11 -7.0751E-01 6.0751E-01 1.3096E-03	I=10
P	4.7318E-02 2.6333E-01 4.3427E-04 4.2377E-00 2.6226E+00 2.3625E+00 2.4830E-03 -2.4430E-02 2.2834E+00 2.4882E-01 5.5423E-02 2.533E-01 2.2484E-02 1.0303E-01 2.2331E-01 2.2317E-01 2.5791E+00 6.41E5E+01 1.1921E-01 5.7317E-01 5.7317E-01 5.7317E-01	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6793E+00 2.6793E+00 2.7966E-01 2.7866E-01 2.7966E-01 2.7966E-01 2.7928E-02 2.1728E-02 2.1728E-02 2.1728E-02 2.1728E-01 2.4954E-01 6.4954E-01 6.4938E-01 6.4954E-01 6.4954E-01 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04 6.415E-04	1=4  5.0119E-02 2.7863E-01 4.5958E-04 4.497E-00 2.7247E-00 2.2767E-00 3.3181E-02 2.2671E-00 3.3470E-01 3.7849E-01 3.7849E-02 3.6770E-01 3.7849E-01 5.6330E-02 2.671E-00 6.7648E-01 5.3648E-01 5.3648E-01 5.3648E-01 5.3648E-01	1-5  4. G829E-02 2-2722E-01 3. 7472E-04 2-6582E+00 2-3016E+00 2-3016E+00 3-5750E-01	2.1723E-02 1.2909E-01 1.9937E-04 1.9937E-04 1.9937E-04 1.5039E-00 2.3154E+00 3.1096E-03 2.7274E-01 1.1969E-01 2.6217E-01 1.1969E-01 2.4628E-01 1.7103E-01 2.3033E+00 4.2467E+00 4.2467E+00 4.2467E+00 4.2467E-01 7.1354E-02 2.9093E-01 6.0048E-01 7.4562E-04 -4.4949E-03 5.6433E+00	1. 64 15E-G2 9.1354E-G2 1. 5065E-G4 1. 5065E-G4 1. 4768E+G0 2. 3315E+G0 2. 3345E+G0 2. 3245E+G0 2. 6237E-G1 4. 7613E-G2 2. 109E-G1 2. 109E-G1 2. 1276E-G1 2. 1276E-G1 2. 1276E-G1 2. 1276E-G1 2. 1276E-G1 1. 1294E-G2 4. 7717E-G1 6. 2644E-G1 1. 10375E-G3 -4. (494E-G3 -4. (494E-	1.5563E-02 6.660E-02 1.4263E-04 1.374E-00 1.374E-00 2.375E-00 2.375E-00 2.324E-03 2.324E-03 2.324E-01 2.324E-01 2.324E-01 2.324E-01 2.324E-01 2.324E-01 2.324E-01 2.324E-01 2.324E-03 3.514E-01 2.324E-03 2.554E-01 2.123E-03	1. 5659E-02 8. 71.43E-02 1. 4371E-04 1. 4030E:00 1. 2730E:00 2. 3496E:00 0. 3. 3301E-03 0. 3. 3301E-03 0. 2. 3366E:00 2. 4355E-13 2. 4455E-12 2. 4356E-01 2. 455E-13 7. 0.121E-11 7. 0.121E-11 7. 0.121E-11 1. 3096E:00 6. 3751E-01 6. 3751E-01	I=10
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The state   The	4.7318E-02 2.6333E-01 4.3427E-04 4.2377E-00 2.6226E+00 2.36215E+00 2.4830E-03 2.2839E-01 5.5423E-02 2.2834E+00 2.4882E-01 2.2533E-01 2.2484E-02 1.0303E-01 1.2331E-01 2.25791E+00 6.41E5E+01 1.1921E-01 1.731E-01 6.7812E-04 6.7812E-04 6.7812E-04 7.8926E-01 7.8928E-01 7.8928E-01 7.8928E-01 8.603E-03	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6783E+00 2.6783E+00 2.7586E-02 2.7863E-00 2.7586E-01 2.7928E-02 2.1728E-02 2.1728E-02 2.1728E-02 2.1728E-02 2.1728E-02 2.1728E-02 2.1728E-03 6.4954E-01 6.1938E-01 6.1415E-04 4.7457E-01 6.1415E-04 6.997E-03 6.791E-02 7.7961E-01 7.7961E-01 1.692E-02 7.7961E-01	1=4  5.0119E-02 2.7863E-01 4.5958E-04 4.497E-00 2.2967E-00 2.2967E-00 3.31810E-03 2.7381E-02 2.2671E-00 3.3470E-01 3.7849E-01 2.6330E-02 2.63770E-01 3.7849E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 6.7944E-01 6.7944E-01 6.7944E-01 6.7942E-02 6.7725E-00 6.7725E-00 6.7725E-00 6.7725E-00 6.7725E-01 6.12319E-02 7.8120E-01 7.8120E-01 7.8120E-01	1-5  4. G829E-02 2-2722E-01 2-372E-04 2-6582E-00 2-3016E+00 2-3016E+00 2-3016E+00 3-5750E-01 3-5550E-02 3-5550E-02 3-5550E-01 1-2758E-03 3-4121E-03	2.1723E-02 1.2909E-01 1.9937E-04 1.9937E-04 1.9937E-04 1.5039E-00 2.3154E+00 3.1096E-03 2.7274E-01 1.1969E-01 2.60217E-01 1.1969E-01 2.4628E-01 1.7103E-01 2.4628E-01 1.7103E-01 2.4628E-01 1.7103E-01 1.710	1. 64 15E-G2 9.1354E-G2 1. 5065E-G4 1. 5065E-G4 1. 4768E+G0 2. 3315E+G0 2. 3345E+G1 2. 3245E+G0 2. 827E-G1 4. 7617E-G2 2. 1109E-G1 2. 1276E-G1 2. 1276E-G1 2. 1276E-G1 1. 1279E-G2 4. 7717E-G1 6. 264E-G1 1. 7378E-G3 4. 7499E-G2 7. 363E-G0 7. 363E-G0 7. 363E-G0 7. 469E-G1 7. 478E-G1 7. 478E-G1	1.5563E-02 6.6605E-02 1.4263E-04 1.3748E-00 1.3748E-00 2.3757E-00 2.3757E-00 2.3248E-03 2.3248E-00 2.5544E-01 1.0575E-01	1. 5659E-02 8. 71.43E-02 1. 4371E-04 1. 4030E:00 1. 2730E:00 2. 3496E:00 0. 3. 3301E-03 0. 3. 3301E-03 0. 3. 3301E-03 1. 8407E-11 2. 4495E-01 2. 4495E-01 2. 4595E-01 2. 4595E-01 2. 4595E-01 2. 4595E-01 2. 4595E-01 2. 4595E-01 2. 4595E-01 0. 3067E:00 7. 0121E-11 -7. 0121E-11	I=10
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No.   No.	4.7318E-02 2.6333E-01 4.3427E-04 4.2377E-00 2.6226E+00 2.36215E+00 2.36215E+00 2.4830E-03 2.4430E-02 2.28314E+00 2.4832E-01 2.5731E-01 2.2841E-02 2.5731E-01 1.1921E-01 1.1921E-01 1.1921E-01 4.7812E-04 2.8588E-03 6.7812E-04 2.8588E-03 6.7812E-04 2.8588E-03 6.7812E-04 2.8588E-03 6.7812E-04 2.8588E-03 6.7812E-04 2.8588E-03 6.7812E-04 2.8588E-03 2.5731E-01 2.5731E-01 2.5731E-01 2.5731E-01 2.7412E-04 2.8588E-03 2.5731E-01 2.3731E-01	4.8972E-02 2.7254E-01 4.4944E-04 4.3879E+00 2.6783E+00 2.6783E+00 2.7586E-01 2.7586E-02 2.7863E+00 2.7586E-01 2.758E-02 2.172E-01 2.803E+00 6.4954E+01 6.1938E-01 6.1938E-01 6.1415E-64 -3.1299E-03 6.761E-02 9.752E-02 9.752E-02 9.752E-02 9.752E-02 9.752E-02 9.752E-02 9.752E-02 9.752E-02 9.752E-03	1=4  5.0119E-02 2.7863E-01 4.5978E-04 4.4976E-00 2.2967E-00 2.27247E-00 2.27247E-00 2.3.1810E-03 2.7381E-02 2.26714E-03 3.470E-01 3.7849E-01 2.6330E-02 2.63770E-01 3.7849E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 5.3649E-01 6.7944E-01 6.7944E-01 6.7944E-01 6.7942E-02 6.7725E-00 6.7725E-00 6.7725E-00 6.7725E-00 6.7725E-01 6.1206E-01 6.1206E-01 6.1206E-01 6.1206E-01 6.1206E-01 6.1206E-01 6.1206E-01	1-5  4. G829E-02 2-2722E-01 2-372E-04 2-6563E+00 2-3016E+00 2-3016E+00 2-3016E+00 3-5750E-01 1-2758E-01	2.1723E-02 1.2090E-01 1.9937E-04 1.99464E-00 2.3154E-00 2.3154E-00 3.1096E-03 2.7274E-01 1.9937E-04 2.60217E-01 1.1969E-01 2.60217E-01 1.7103E-01 2.4628E-01 1.7103E-01 2.4628E-01 1.7103E-01 2.4628E-01 1.7103E-01 2.4628E-01 1.71354E-02 2.9093E-01 6.0048E-01 7.4552E-04 4.4949E-02 2.9093E-01 6.0048E-01 7.4552E-04 4.4949E-02 6.9497E-00	1. 64 15E-G2 9.1354E-G2 1. 5065E-G4 1. 4768E+G0 2. 3315E+G0 2. 3315E+G0 2. 323E-G1 2. 3245E+G0 2. 627E-G1 4. 1111E-G2 2. 1109E-G1 4. 7617E-G1 2. 1276E-G1 2. 1276E	1.5563E-02 6.66CS-02 1.4263E-04 1.3944E-03 1.1764E-01 2.3975E-01 2.3926E-02 2.3475E-01 1.0575E-01	1. 5659E-02 8. 7143E-02 1. 4371E-04 1. 4030E:00 1. 2730E:00 2. 3496E:00 0. 3. 3301E-03 0. 3. 3301E-03 0. 3. 3301E-03 1. 8407E-11 2. 4495E-01 2. 4495E-01 2. 4395E-13 2. 4595E-12 2. 4395E-13 2. 4595E-01 2. 4396E:00 1. 4396E-00 1. 4396E-00 1. 4396E-00 1. 3096E-00 1. 3096E-00 1. 3096E-00 1. 3096E-00 1. 3096E-00 1. 3096E-00 1. 3096E-00 2. 4390E-00 2. 4390E-01 3. 4490E-01 4. 4596E-01 4. 4596E-	I=10

				ZETA= C.		•				
	I=:	1=2	1=3	[=4	1=5	1=6	[=7	1=8	I =9	I=10
•								1.55516-02		
/ROASTSC		2.6333E-01	2.7254E-01					e.6546E-02		
PATINE		4.3427E-C4	4.4944E-04		2.7407E-C4	1.98086-04	1.50C4E-04	1.4272E-C4	1.4371E-C4	
/PINF		4.2357E+00	4.3878E+00		3.6520E+00			1.3934E+00	1.4030E+00	
но		2.61C9E+00	2.6757E+CC		2.34698+00		1.2221E+00	1.17926+00	1.1851E+00	
!	2.3013E+0C		2.295ZE+00		2.3017E+CO		2.3256E+00		2.3421E+CO 3.2255E-C4	
	2.0078E-05 -1.3081E-13		1.6232E-07		1.6024E-01		-2.8104E-04 2.2767E-01	1.13266-01		
c	2.2885E+00		2.2757E+00		2.2667E+00			2.32 ez E+ CO		
č	2.4214E-01		2.7745E-01		3.5964E-C1	3.4149E-01		2.5455E-01	2.4673E-C1	
	-1.3040E-13				1.6024E-01				1.7972E-11	
čc		2.5568E-G1			3. 5964E-01			2.3273E-01		
	-1.3CB1E-13			7.5566E-03				1.67966-01		
	-1.3081E-13			3.5638E-01				1.8385E-02		
				-1.G9C7E-01				2.5585E-01		
Z		2.2865E+00		2.2679E+00		2.3032E+00		2.3282E+G0		
SINOR	-3.2751E-12	Z+6391E+00	5.5433E+CC	8.93C5E+00	5.5989E+00	4.2634E+00	1.1479E+00	4.5245E-01 ·	-6.9629E-10	
HETNOR	8.3960E+01	8.4165E+01	8.4949E+01	8.7280E+01	8.6C18E+01	8.2149E+01	8.2878E+01	E.3728E+01	8.3953E+01	
BAR	0.	3.1552E-01	6.1784E-01	8.7723E-C1	1.0000E+00	8.7723E-01		3.1552E-01	-6.9800E-11	
BHLD								-6.98C0E-11		
BAR	-6.0000E-C1	-5.6935E-01	-4.7178E-01	-2.88C5E-C1 ·	-1.8308E-11	2.8805E-01	4.7178E-01	5.6935E-01	6.0000E-01	
								6.00C0E-01		
TA	0.	С.	0.	C.	C.	0.	0.	c.	0.	
								-3.2810E-03		
EQNS		5.5933E+00		5.6190E+00				6164E+00		
M .	6.1333E+00			6.0662E+C0			7.25C3E+00	7.3072E+00	7-2993E+00	
ROSSM		5. 51 76E-C2		2.18188-02				2.5335E-01		
BAP	1.0093E-01				1.0093E-01			1.00936-01	1.0093E-01	
DROGAM T/PTINA	1.2346E-02			1.2346E-02					1.2346E-02 7.7700E-01	
T	7.77C0E-01 8.4662E+01	7.7700E-C1	7.77COE-G1 8.4662E+G1	7.7700E-01 8.4662E+01	7.7700E-01		7.7700E-01	7.77C0E-01 E.466ZE+01		
								2.3383E-C8		
								-2.3043E-01		
								1.00e7E-03		
								0.04C6E-04		
								1.13266-01		
								-2.3430E+00		
				WINCHARD LIN						
U	PHO	S	PORCGAM	υC	VC	WC	٧x	VY	٧z	PT/PTINF
:.3024E+00	2.6097E+00	9.1142E-02	1.2226E-02	2.28968+00	2.4223E-01	4.1546E-16	0.	-2.4223E-01	2.2896E+00	
				LEEWARD LINE	SEȚA LIPIT					i
· U	RHD	· 5	PORCGAM	UC	vc	wc .	٧x	VY	٧z	PT/PT INF
2.3496E+CO	1.2730E+00	7.0168E-04	1.1169E-02	2.3366E+0C	2.4720E-01	1.8407E-11	-2.8758E-11	2.4720E-01	2.3366E+00	9.98258-0
•				FGRCE CCE	FFICIENTS					

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## **Explanatory Notes**

- Some input and auxiliary parameters. Only one line is used in this preliminary calculation for the zero-incidence circular cone.
- (2) Computed values for first pivotal integration.
- (3) Change in shock shape.
- (4) New shock shape and computed values for second pivotal integration.
- 5 Input quantities, auxiliary quantities, and secondary quantities, beginning on a new page, for converged solution of circular cone at zero incidence.
- (6) Zeta print block at cone surface for circular cone at zero incidence.
- (7) Windward-line and leeward-line zeta limits or circular cone at zero incidence.
- Repetition of input quantities, auxiliary quantities, and secondary quantities for circular cone at zero incidence. At this stage, the program takes the  $\eta_s$ -value just obtained from the N = 1 calculation and assigns it at all the lines. The problem is now reintegrated, using the full program logic, cross derivatives, and so on; of course, the shock shape satisfies the convergence criterion on the first integration.
- 9 Summary print block for circular cone at zero incidence.
- (10) Arc length and body coordinates at each of the lines.
- (11) Repetition of zeta print block at cone surface for circular cone at zero incidence
- Repetition of windward-line and leeward-line zeta limits for circular cone at zero incidence.
- 13) Force and moment coefficients together with center-of-pressure location.
- Input quantities, auxiliary quantities, and secondary quantities for T = 0.95 (PARAM + DPRAM1). The  $\eta_S$ -values from the zero-incidence circular cone are used to start the iteration for the zero-incidence elliptic cone with T = 0.95.
- Input values of  $\eta_s$  from converged circular cone at zero incidence and computed values from first pivotal integration.
- (16) Change in shock shape.

- (17) New shock shape and computed values for second pivotal integration.
- Input quantities, auxiliary quantities, and secondary quantities, beginning on a new page, for converged solution of elliptic cone with T = 0.95.
- (19) Summary print block for elliptic cone with T = 0.95.
- Arc length and body coordinates at each line for elliptic cone with T = 0.95.
- 21) Zeta print block at cone surface for elliptic cone with T = 0.95.
- (22) Windward-line and leeward-line zeta limits on elliptic cone with T = 0.95.
- Force and moment coefficients together with center-of-pressure location for elliptic cone with T = 0.95.

### REFERENCES

- 1. Klunker, E. B.; South, Jerry C., Jr.; and Davis, Ruby M.: Calculation of Nonlinear Conical Flows by the Method of Lines. NASA TR R-374, 1971.
- 2. Klunker, E. B.; South, Jerry C., Jr.; and Davis, Ruby M.: Computer Program for Calculating Supersonic Flow on the Windward Side of Conical Delta Wings by the Method of Lines. NASA TM X-2438, 1972.

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